STATUS OF ALL TSEP PROJECTS
APPROVED BY THE LEGISLATURE

(Project information last updated 12/1/08)

Projects Approved by the 1993 Legislature

Thirty-two applications requesting $11,627,000 in TSEP funds were submitted for the 1995 biennium. The 1993 Legislature approved 20 TSEP grants totaling $3,966,458 and four loans totaling $168,000. One grant (Gallatin Co./Rae Subdivision) and all four loans were terminated. **All of the 1993 projects have been completed.**

NAME OF RECIPIENT	**Anaconda-Deer Lodge County**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 350,000	TSEP Grant
	$4,725,000	Revenue Bonds
	$ 375,000	CDBG Grant
TOTAL	$5,450,000	

PROJECT SUMMARY: Anaconda-Deer Lodge was required to improve its water system to comply with state and federal water quality standards. The city was under a DEQ boil order. *The project consisted of construction of a water storage tank and related transmission piping and equipment, renovation of the system's three existing wells, construction of three new wells, improvement of the pumping facilities, and improvements to the distribution system, primarily focusing on main replacement under Anaconda's two major arterial streets in conjunction with a MDT pavement renewal project.*

NAME OF RECIPIENT	**Beaverhead County**	
PROJECT TYPE	Solid Waste	
FUNDING	$160,000	TSEP Grant
	$160,000	Local Funds
TOTAL	$320,000	

PROJECT SUMMARY: The landfill was located directly above City of Dillon's water supply and the Beaverhead River. The situation was considered a significant threat to public health, and there was a DEQ mandate to close and reclaim the site. *The project consisted of covering the old site, contouring and building diversion ditches for rainfall and runoff, reseeding the area with native vegetation, and implementing an on-going, 30-year monitoring program.*

NAME OF RECIPIENT	**Butte-Silver Bow County**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 300,000	TSEP Grant
	$24,406,000	Revenue Bonds
TOTAL	$24,706,000	

PROJECT SUMMARY: Butte-Silver Bow was required to improve its water system to comply with state and federal water quality standards. *The project consisted of various improvements to the water transmission and distribution system, various water storage improvements including the construction of a new 10 million-gallon storage tank and a new reservoir, and the construction of two new water treatment plants.*

NAME OF RECIPIENT	**Carbon County**
PROJECT TYPE	Bridge

FUNDING	$ 25,000	TSEP Grant
	$ 70,500	Local Funds
	$ 45,100	U.S. Forest Service Grant
TOTAL	$140,600	

PROJECT SUMMARY: The Sand Ford Bridge provides access to the East Rosebud Canyon area south of Roscoe. The MDT considered the bridge an urgent and serious safety problem because it violated state bridge standards and is used by 200 vehicles per day during summer months. *The project consisted of the construction of a new bridge complete with abutments and approaches.*

NAME OF RECIPIENT	**Circle, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 370,000	TSEP Grant
	$ 300,000	CDBG Grant
	$ 872,600	RD Loan
	$1,300,000	RD Grant
TOTAL	$2,842,600	

PROJECT SUMMARY: Circle had received a noncompliance order from DEQ because of health risks posed by excessive fluorides and sodium in water supply, in violation of federal and state water quality standards. *The project consisted of constructing a new reverse osmosis water treatment plant and water distribution lines.*

NAME OF RECIPIENT	**Dutton, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 50,000	TSEP Grant
	$ 66,319	RRGL Grant
TOTAL	$116,319	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire fighting. *The project consisted of installation of a reliable transmission line, installation of a gas chlorination system, and improvements to the pumping station's valve work and piping.*

NAME OF RECIPIENT	**Ennis, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 100,000	TSEP Grant
	$1,100,000	RRGL Loan
	$ 400,000	CDBG Grant
	$ 5,000	Local Funds
TOTAL	$1,605,000	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire fighting. *The project consisted of construction of a new 500,000-gallon storage tank and the associated transmission main, a booster pump station, various distribution system improvements, and the replacement of inoperable fire hydrants.*

NAME OF RECIPIENT	**Froid, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 117,000	TSEP Grant
	$ 25,000	Local Funds
	$ 938,500	RD Grant
	$ 220,000	RD Loan
TOTAL	$1,300,500	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire fighting and the town had substandard drinking water due to high sodium, manganese, nitrate and sulfate water

contaminants. *The project consisted of construction of a reverse osmosis water treatment system, and a new storage tank with an improved water chlorination system.*

NAME OF RECIPIENT	**Gallatin Co. / Rae Subdivision**	
PROJECT TYPE	Water System Improvements	
FUNDING	$33,245	TSEP Grant
	$33,245	Local Funds
TOTAL	$66,490	

PROJECT SUMMARY: The project was to consist of installing water meters on all service lines. The grant was terminated at the request of the county when the local funds could not be committed to the project.

NAME OF RECIPIENT	**Harlem, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$217,300	TSEP Grant
	$170,795	CDBG Grant
	$186,905	EDA
	$122,000	Bank Loan
	$ 43,825	Local Funds
TOTAL	$740,825	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire fighting. *The project consisted of the construction of a new 400,000-gallon tank with an improved water chlorination system.*

NAME OF RECIPIENT	**Helena, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 275,068	TSEP Grant
	$ 825,203	Local Funds
TOTAL	$1,100,271	

PROJECT SUMMARY: The project was needed to provide adequate capacity for fire because of deficiencies in water storage and main capacity in that portion of the city. *The project consisted of a new 200,000-gallon reservoir, new or replaced water mains, six fire hydrants, and a pumping station.*

NAME OF RECIPIENT	**Lewistown, City of**	
PROJECT TYPE	Storm Drainage	
FUNDING	$ 60,000	TSEP Grant
	$168,625	Local Funds
TOTAL	$228,625	

PROJECT SUMMARY: The project was needed because poor drainage in a 12-block area of the north central portion of the city caused standing water that deteriorated streets, created traffic hazards, and impacted neighboring residential and business properties. *The project consisted of the installation of a subsurface conduit for the collection and conveyance of storm water.*

NAME OF RECIPIENT	**Livingston, City of**	
PROJECT TYPE	Storm Drainage	
FUNDING	$100,000	TSEP Grant
	$100,000	Local Funds
TOTAL	$200,000	

PROJECT SUMMARY: A storm drainage system in a 27-block area on the east side of Livingston had deteriorated to the point that much of the system had collapsed. As a result, there was inadequate drainage of storm runoff and subsequent damage to private and public properties. *The project consisted*

of construction of collection drain inlets, storm drain pipes, and the outfall structure. In addition, the entire system is now located in the public right-of-way.

NAME OF RECIPIENT	**Missoula County-Sunset West Subdivision**	
PROJECT TYPE	Water System Improvements	
FUNDING	$154,107	TSEP Grant
	$221,228	SRF Loan/Rural Improvement District
TOTAL	$375,335	

PROJECT SUMMARY: Residents of the subdivision had little or no drinking water due to contamination and failure of existing wells. An administrative compliance order was issued to the subdivision by DEQ to provide an adequate water supply. *The project consisted of a new off-site well and 10,000 feet of water main to connect the well to the existing storage tank.*

NAME OF RECIPIENT	**Neihart, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$544,673	TSEP Grant
	$150,000	RRGL Loan
	$ 14,196	Local Funds
TOTAL	$708,860	

PROJECT SUMMARY: The town was under state district court order to improve its water system to comply with state and federal water quality standards, and was under a DEQ boil order since 1982. *The project consisted of the construction of a new water treatment plant.*

NAME OF RECIPIENT	**Richland County**	
PROJECT TYPE	Solid Waste	
FUNDING	$ 285,000	TSEP Grant
	$ 785,140	Bank Loan
	$ 109,860	County Solid Waste District
	$ 102,500	Local Funds
TOTAL	$1,180,000	

PROJECT SUMMARY: The county landfill polluted groundwater and domestic wells located within a one-mile radius of the landfill. *The project consisted of closing the existing landfill and purchasing a site for and construction of a new landfill.*

NAME OF RECIPIENT	**Ronan, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$100,000	TSEP Grant
	$ 90,000	Local Funds
	$400,000	CDBG Grant
	$405,832	SRF Loan
	$114,500	DEQ Grant
TOTAL	$879,662	

PROJECT SUMMARY: The city's sewage collection and treatment system was in violation of federal and state water quality standards. *The project consisted of the rehabilitation of the wastewater treatment facility including retrofitting the aeration system in three cells and constructing a wetlands in the fourth, rehabilitation of the a lift station, improvements to the collection system to remove sedimentation, replacement of concrete and wood lines with PVC pipe to limit ground water infiltration, increasing slope and pipe diameters to boost flow capacity, upgrading the lift/ejector station, and constructing a second highway crossing and new interceptor sewer to re-route east and southeast flows to the rehabilitated lift station.*

NAME OF RECIPIENT **Shelby, City of**

PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 366,000	TSEP Grant
	$ 200,000	CDBG Grant
	$ 481,000	SRF Loan
TOTAL	$1,047,000	

PROJECT SUMMARY: Deteriorating sewage lines caused sewage to back up into numerous homes. *The project consisted of the replacement of sewer lines and associated manholes accessing the lines.*

NAME OF RECIPIENT	**Stillwater County-Reedpoint**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 200,000	TSEP Grant
	$ 718,785	RD Grant
	$ 137,600	RD Loan
	$ 400,000	CDBG Grant
TOTAL	$1,456,385	

PROJECT SUMMARY: The community did not have a public sewer system, and groundwater and wells were contaminated by failing cesspools and septic tanks. *The project consisted of construction of a new community sewage collection and treatment system.*

NAME OF RECIPIENT	**Yellowstone County**	
PROJECT TYPE	Bridge	
FUNDING	$ 95,500	TSEP Grant
	$ 51,079	Local Funds
	$ 48,969	United Industry (private development contribution)
TOTAL	$195,548	

PROJECT SUMMARY: The MDT considered the King Avenue Bridge a serious public safety issue, creating a traffic bottleneck and accidents. *The project consisted of replacing the bridge with a new wider, four-lane, bulb tee bridge.*

Projects Approved by the 1995 Legislature

Twenty-one applications requesting $7,195,129 in TSEP funds were submitted for the 1997 biennium. The 1995 Legislature approved $4,991,029 in TSEP grant funds for 15 projects. **All but one of the projects has been completed. Where project status is not given, the project has been completed.**

NAME OF RECIPIENT	**Beaverhead County**	
PROJECT TYPE	Bridge	
FUNDING	$23,000	TSEP Grant
	$23,000	Local Funds
TOTAL	$46,000	

PROJECT SUMMARY: Two bridges that linked the east and west portions of Lima, Montana, were deteriorated to the point where they must be closed or replaced. The Lima Town Council elected to close the smaller bridge and to replace the larger, Bailey Street Bridge. *The project consisted of improving the approaches, and constructing a new three-sided concrete box bridge with guardrails.*

NAME OF RECIPIENT	**Butte-Silver Bow County**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$5,360,200	SRF Loan
	$1,000,000	Local Funds
TOTAL	$6,860,200	

PROJECT SUMMARY: As a result of federal regulations that went into effect in 1992, Butte-Silver Bow was required to discontinue the use of the sludge injection disposal facilities. *The project consisted of constructing facilities, and purchasing equipment to treat and dispose of sludge. After treatment, sludge is now transported to, and disposed of at, a new solid waste landfill.*

NAME OF RECIPIENT	**Conrad, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$180,000	TSEP Grant
	$434,065	Local Funds
	$ 50,000	RRGL Grant
TOTAL	$664,065	

PROJECT SUMMARY: The city obtains its water supply from Lake Francis. Due to the potential for dam failure, the operation permit required that the water supply be obtained from a diversion facility instead of an outlet conduit with pressure pipes within the earth-filled Lake Francis East Dam. *The project consisted of demolishing the existing pump structure, relocating existing pumps, and removing the existing control gates, excavating the channel, installing gabions, water intake screens and piping, and constructing a new pump station.*

NAME OF RECIPIENT	**East Glacier Park Water and Sewage District (Glacier County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant/Blackfeet Tribe
	$ 500,000	TSEP Grant/Browning
	$ 306,555	TSEP Grant/E. Glacier
	$ 500,000	CDBG Grant/Browning
	$ 800,000	Indian CDBG Grant
	$ 720,000	EPA Grant
	$ 1,500,000	Tribal Housing
	$ 800,000	Indian Health Services
	$ 100,000	RD Grant
	$ 6,279,234	RD Loan
TOTAL	$12,005,789	

PROJECT SUMMARY: The district provides drinking water to approximately 400 people in Glacier County from an unfiltered surface water source. The district is under a DEQ boil order and is required to install water treatment facilities by 1996. The project, as originally proposed, was to include the construction of a surface water treatment plant. The scope of the project has been modified, whereby the district and the Town of Browning would receive water from a new water treatment plant being constructed by the Blackfeet Tribe. The funding for this treatment plant and transmission mains include the funds provided to East Glacier.

PROJECT STATUS: The intake and the transmission main to East Glacier has been completed and the construction of the water treatment plant is anticipated to be completed in the Fall of 2008. The TSEP grants awarded to the district and the tribe were used to help fund the treatment plant. The transmission main and a storage tank to serve the town is anticipated to be constructed in 2009. The funding package for the last phase is still incomplete; therefore, the town has not yet been able to meet its start-up conditions.

NAME OF RECIPIENT	**Fairview, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 72,180	Local Funds
	$ 100,000	RRGL Grant
	$ 470,000	RD Loan
	$ 700,000	RD Grant

TOTAL	$1,842,180	

PROJECT SUMMARY: The town's water source was very high in iron manganese and coal, which fouled the town's domestic water meters. Through an earlier project the water quality was improved. *The project consisted of installing new water meters, replacing cast iron water mains with PVC pipe, and constructing a 300,000-gallon storage tank.*

NAME OF RECIPIENT	**Gardiner/Park County Water District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 300,000	TSEP Grant
	$ 175,000	Local Funds
	$ 610,000	RD Loan
TOTAL	$1,085,000	

PROJECT SUMMARY: There were several serious deficiencies with the district's water system. *The project consisted of constructing 1,200 feet of new water mains, miscellaneous work at the spring to eliminate contamination of the spring and to correct the chlorination system, installing a heated pipe suspended from the bridge, developing a new well, installing a new booster pump and expanding the booster station.*

NAME OF RECIPIENT	**Hamilton, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$137,632	TSEP Grant
	$180,000	Local Funds
	$350,000	CDBG Grant
TOTAL	$667,632	

PROJECT SUMMARY: The city had chronic infiltration and inflow conditions in the sewage system, unsafe and inefficient lift stations, unsafe and inefficient manholes, and the inability to handle growth occurring in the city and the surrounding area. *The project consisted of replacing an existing interceptor line, installing a new sewer main and lift station, and the replacing sewer manholes on Tenth Street.*

NAME OF RECIPIENT	**Hill County Water District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 250,000	Local Funds
	$ 400,000	RRGL Loan
TOTAL	$1,150,000	

PROJECT SUMMARY: The district provides water service to 717 households located within an area stretching from just west of Havre to Joplin. Under EPA rules, the district must treat all water drawn from its Fresno reservoir surface water supply. The DEQ had originally given the district until the Fall of 1995, to comply with this requirement. That deadline was moved back by DEQ since it appeared that the district would be able to obtain its water from the Rock Boy Reservation/North Central Montana Regional Water System. *Major elements of the project, as originally proposed, would have included property acquisition, construction of a water treatment facility, and construction of new water lines.* **Funding for this project was terminated by the 2003 Legislature.**

NAME OF RECIPIENT	**Hysham, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$127,500	TSEP Grant
	$ 27,500	Local Funds
	$250,000	RRGL Grant
TOTAL	$405,000	

PROJECT SUMMARY: The town was facing severe deterioration of its sewer system, with the potential for the lagoon, septic systems and sewer main to pollute surface and ground water. *The project consisted of replacing sewer manholes, and creating a management plan for manhole replacement.*

NAME OF RECIPIENT	**Lewistown, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$5,875,000	Revenue Bonds
	$ 100,000	RRGL Grant
TOTAL	$6,475,000	

PROJECT SUMMARY: The city's two major transmission mains were installed in 1914 and 1938. Both mains were leaking badly, resulting in a loss of about 50% of the water entering the mains. *The project consisted of constructing a new transmission main, installing distribution mains in the upper pressure zone, constructing a new 1.5 million-gallon storage tank, and securing the water source site with a dome.*

NAME OF RECIPIENT	**Powell County**	
PROJECT TYPE	Bridge	
FUNDING	$ 51,334	TSEP Grant
	$ 48,616	Local Funds
	$ 30,000	U.S. Forest Service
TOTAL	$129,950	

PROJECT SUMMARY: The Snowshoe Creek Bridge crossing the Little Blackfoot River was a narrow, 24-year old, one-lane bridge that was inadequate and unsafe. *The project consisted of replacing the bridge.*

NAME OF RECIPIENT	**Seeley Lake Water District (Missoula County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 464,364	TSEP Grant
	$1,440,000	SRF Loan
	$ 17,100	Local Funds
TOTAL	$1,921,464	

PROJECT SUMMARY: The district was required under federal regulations and by a DEQ administrative order, to install water treatment facilities by 1996. *The project consisted of constructing a new water treatment plant, modifying the water pump station, installing new water lines, and connecting the pump station to the water treatment plant.*

NAME OF RECIPIENT	**Thompson Falls, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 400,644	TSEP Grant
	$ 251,800	RD Loan
	$ 824,700	RD Grant
TOTAL	$1,477,144	

PROJECT SUMMARY: The city had serious deficiencies in its sewer system resulting primarily from deteriorating sewer lines and excessive infiltration that was over-working the lift station and the treatment facility. In addition, many of the households throughout the city used septic tanks with dry wells or leach fields that threatened contamination of the aquifer and the Clark Fork River. *The project consisted of installing new sewer lines, constructing a new pump station and improving the sewage lagoon.*

NAME OF RECIPIENT	**Troy, City of**	
PROJECT TYPE	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant
OTHER FUNDS	$1,436,600	RD Grant

	$1,824,400	RD Loan
	$ 528	Local Funds
	$ 400,000	CDBG Grant
TOTAL	$4,161,528	

PROJECT SUMMARY: Sewage treatment for the city consisted of substandard on-site septic systems that posed a public health threat due to surfacing effluent and groundwater contamination. *The project consisted of constructing a new centralized wastewater system.*

NAME OF RECIPIENT	**Whitehall, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 325,000	CDBG Grant
	$ 509,000	RD Loan
TOTAL	$1,334,000	

PROJECT SUMMARY: The town's water system had various deficiencies. *The project consisted of constructing a 500,000-gallon reservoir to replace two 100,000-gallon reservoirs, installing new distribution mains, piping and valves, improving one of the system's wells, and installing water meters on residential and commercial services.*

Projects Approved by the 1997 Legislature

Forty applications requesting $17,079,532 in TSEP funds were submitted for the 1999 biennium ($15,524,536 in grant funds and $1,554,996 in loan funds). The 1997 Legislature approved $13,719,979 in TSEP grant funds for 35 projects and $1,855,472 in TSEP loan funds for four projects. However, based on the actual amount of TSEP funds that became available during the 1999 biennium, only 22 projects actually received TSEP grant funds totaling $9,052,735. None of the TSEP loans were utilized since other loan sources were available with better rates and terms. **All of the projects have been completed.**

NAME OF RECIPIENT	**Cascade, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$1,323,725	SRF Loan
	$ 6,500	Local Funds
TOTAL	$2,330,225	

PROJECT SUMMARY: Cascade's wastewater treatment system consisted of two lagoons that leaked so badly that they did not hold water, contaminating both groundwater and the Missouri River. In addition, storm sewer drains overloaded the sewer collection system during storm events and an antiquated lift station needed replacement. *The project consisted of relocating and replacing the existing lagoons with facultative lagoons and spray irrigation for disposal, and constructing a new lift station, storm drain lines and inlets.*

NAME OF RECIPIENT	**Chinook, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$313,555	TSEP Grant
	$550,400	RD Loan
	$ 71,000	RD Grant
	$ 17,479	Local Funds
TOTAL	$934,955	

PROJECT SUMMARY: There was inadequate disinfection contact time in the clear well and a boil order had been issued by DEQ. The chemical feed system was worn and needed replacement, and the raw water intake malfunctioned. *The project consisted of improving the intake structure, rehabilitating the existing disinfectant basins to provide additional disinfectant time, extending the intake pipe and screen into the river; and modifying the chemical feed system*.

NAME OF RECIPIENT	**Coram Water and Sewer District (Flathead County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 206,000	RD Grant
	$ 484,300	RD Loan
TOTAL	$1,590,300	

PROJECT SUMMARY: Coram's water supply (Blue Lake Spring) was subject to surface contamination and did not meet state and federal standards. Distribution mains and individual service lines experienced significant leakage of over 20 million gallons a year. The system provided inadequate volumes of water and flows for fire protection. *The project consisted of developing a new groundwater source, replacing water mains with six-inch and eight-inch PVC mains, constructing new gate valves, fire hydrants and appurtenances, and installing water service meters.*

NAME OF RECIPIENT	**East Missoula Sewer District (Missoula County)**	
PROJECT NAME	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 400,000	CDBG Grants
	$ 241,835	EPA Grant
	$ 100,000	Missoula Water Quality District
	$ 940,000	RD Grant
	$2,053,200	RD Loan
	$ 80,000	Missoula County
	$ 101,950	City of Missoula
	$ 16,067	Local Funds
TOTAL	$4,533,052	

PROJECT SUMMARY: A high density of substandard individual cesspools and drainage pits were contaminating local drinking water wells resulting in health advisories and a permanent boil order issued by DEQ. The existing on-site wastewater systems also had the potential to adversely impact the Missoula Valley Aquifer and the Clark Fork River. *The project, as originally proposed, was to include construction of a wastewater treatment system with a gravity collection service, and land disposal using spray irrigation. The scope of the project was modified to allow the district to connect its new collection lines to the City of Missoula's wastewater system, rather than constructing its own treatment system.*

NAME OF RECIPIENT	**Fort Benton, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$478,324	TSEP Grant
	$447,322	RRGL Loan
	$ 31,042	Local Funds
TOTAL	$956,689	

PROJECT SUMMARY: The Fort Benton water system had deteriorated water distribution lines, broken valves, undersized distribution lines, and no water meters, all of which contributed to low water pressure and a fire flow problems. *The project consisted of replacing several undersized distribution lines, installing additional distribution lines, and installing 546 water service meters.*

NAME OF RECIPIENT	**Fort Peck Rural Water/Sewer District (Valley County)**	
PROJECT TYPE	New Water System	
FUNDING	$ 500,000	TSEP Grant
	$5,800,000	Federal Appropriation
	$1,519,880	SRF Loan
TOTAL	$7,819,800	

PROJECT SUMMARY: Residents of the Fort Peck Rural County Water District did not have a central public water system. They became ill from untreated drinking water; no ongoing monitoring or disinfection of drinking water in private water tanks, cisterns, or home storage facilities; water being contaminated because of storage in individual and unsanitary cisterns. *The project, as originally proposed, was to include the construction of a new water treatment plant, water reservoir, intake, booster station, water mains, water service lines, installation of 54 hydrants, and installation of water meters for each residential or commercial hook-up. The scope of the project was modified to allow district to utilize water obtained from the water treatment plant owned by the Town of Fort Peck. The town's water treatment plant was upgraded in the process to increase the plant's capacity to treat water. The system provides water service to Park Grove, Wheeler, Duck Creek, and Cabin neighborhoods; and rural residences within the district's boundaries.*

NAME OF RECIPIENT	**Glasgow, City of**	
PROJECT TYPE	Wastewater/Storm Drain Separation	
FUNDING	$ 500,000	TSEP Grant
	$ 56,804	Local Funds
	$ 400,000	CDBG Grant
	$ 41,443	RRGL Grant
	$1,048,000	SRF Loan
TOTAL	$2,046,247	

PROJECT SUMMARY: The Glasgow wastewater collection system had broken pipes and sinkholes in the ground above the breaks, and raw sewage was being pumped directly into the Milk River because the lift station could not handle the volume. There was also raw sewage overflowing from manholes and backing up into basements. The city had been told to correct the problem or an administrative order would be issued by DEQ. *The project consisted of constructing a separate storm drain system by installing approximately 16,700 feet of various sized storm drain pipes and 70 new manholes.*

NAME OF RECIPIENT	**Glendive, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 864,000	SRF Loan
TOTAL	$1,364,000	

PROJECT SUMMARY: There was inadequate disinfection contact time at the water treatment plant. DEQ had issued a violation notice and mandated improvements to the clear well. *The project consisted of replacing the water supply intake structure, improving the existing clear well with baffling, and constructing a new clear well for additional storage.*

NAME OF RECIPIENT	**Hamilton, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 478,000	Local Funds
	$ 400,000	CDBG Grant
TOTAL	$ 1,378,000	

PROJECT SUMMARY: There was inadequate capacity in the existing sludge drying and composting operation to accommodate the increased loading of new connections, and the secondary clarifiers, chlorine contact basin, grit removal chamber and lift pumps had a modest amount of capacity remaining,

and did not meet fire code and safety requirements. *The project consisted of expanding the solids storage, drying and biosolids composting, and improving various components of the system including chlorination and dechlorination, secondary clarifier, sludge control, and ventilation.*

NAME OF RECIPIENT	**Helena, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 1,437,958	City Reserves
	$ 641,571	City Cash
	$ 9,320,000	SRF Loan
TOTAL	$11,899,529	

PROJECT SUMMARY: The city was not able to meet chronic toxicity requirements, which had been determined to be correlated to effluent ammonia concentration. The activated biofilter (AFB) tower did not provide adequate treatment as designed. Existing secondary treatment limitations and problems identified during plant inspections included instrumentation and hydraulic deficiencies, and sludge disposal. *The project consisted of replacing the AFB tower with a nitrification process to allow the city to adequately treat ammonia toxicity and other toxicants.*

NAME OF RECIPIENT	**Hill County/Box Elder Water District**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 462,000	TSEP Grant
	$ 322,105	CDBG Grant
	$ 300,000	EPA Grant
	$ 26,000	Local Funds
TOTAL	$1,110,105	

PROJECT SUMMARY: According to DEQ, raw sewage was entering the existing cell and seeping into the ground or ponding without adequate treatment. Wastewater seepage entered the ground water just three to four feet below the bottom of the lagoon pond. The area was not fenced to prevent public access. *The project consisted of constructing a wastewater treatment facility using facultative lagoons and wetlands treatment.*

NAME OF RECIPIENT	**Judith Gap, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$130,000	TSEP Grant
	$522,000	RD Grant
	$239,300	RD Loan
TOTAL	$891,300	

PROJECT SUMMARY: The town discharged raw sewage from two community septic tanks into Stevens Gulch, a state water. The wastewater was receiving little or no treatment before it was discharged, and DEQ cited the town for an illegal sewer discharge and issued a compliance schedule. *The project consisted of constructing a lined, total retention lagoon.*

NAME OF RECIPIENT	**Lakeside County Water and Sewer District (Flathead County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 200,000	RRGL Loan
	$ 400,000	SRF Loan
	$ 162,786	Local Funds
TOTAL	$1,262,786	

PROJECT SUMMARY: The Lakeside water system had deficiencies that resulted in low water pressure causing a fire flow problem. These deficiencies included undersized distribution lines, dead-end distribution lines, limited well production, and no water meters. *The project consisted of replacing*

approximately 6,000 feet of existing distribution lines with eight inch lines, constructing a new high volume well, installing a meter on the original well, and installing approximately 173 service meters for all users.

NAME OF RECIPIENT	**Lewis and Clark County**	
PROJECT TYPE	Bridge	
FUNDING	$ 64,125	TSEP Grant
	$192,375	Local Funds
TOTAL	$256,500	

PROJECT SUMMARY: A timber bridge on Sierra Road where it crosses Prickly Pear Creek had rotten curbs, loose bracing, settling of end fills, and two caps crushed one-third of their length and a third completely crushed. It required that the load limit be reduced to less than standard highway loads and was eventually closed. *The project consisted of replacing the timber bridge with a concrete bulb tee bridge.*

NAME OF RECIPIENT	**Miles City, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$136,000	TSEP Grant
	$225,987	INTERCAP Loan
TOTAL	$394,987	

PROJECT SUMMARY: The Miles City water distribution system had a 14-inch water transmission main that was broken under the Tongue River. *The project consisted of replacing the broken section with a 20-inch water main crossing under the river, along with a section of water line that ran under the BNSF railroad crossing.*

NAME OF RECIPIENT	**Missoula, City of**	
PROJECT TYPE	Wastewater System Improvements for the Reserve Street Neighborhood	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$2,647,000	Missoula SID
	$ 200,000	Local Funds
TOTAL	$3,847,000	

PROJECT SUMMARY: The Reserve Street Neighborhood had a high number of substandard, antiquated cesspools and seepage pits that provided little or no treatment to protect groundwater quality. The Missoula Aquifer is extremely vulnerable to contamination by the high density and use of septic systems in the area, and is designated as a sole-source aquifer for the Missoula Valley. *The project consisted of installing approximately 40,640 feet of conventional collection mains, laterals and service lines, 204 service stubs, and 133 manholes, and replacing 11,313 feet of asphalt.*

NAME OF RECIPIENT	**Neihart, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$261,028	TSEP Grant
	$100,000	RRGL Grant
	$ 6,338	Local Funds
TOTAL	$367,366	

PROJECT SUMMARY: Neihart's leaking water distribution system was subject to contamination from groundwater when negative water pressures occur or when the system shut down for repairs. Distribution system repairs were required by a court order. The town's water mains were installed at shallow depth and were subject to freezing. *The project consisted of replacing approximately 6,150 feet of water main.*

NAME OF RECIPIENT **Richey, Town of**

PROJECT TYPE	Water System Improvements	
FUNDING	$264,340	TSEP Grant
	$ 10,000	Local Funds
	$262,760	CDBG Grant
TOTAL	$537,100	

PROJECT SUMMARY: Richey had very high levels of fluoride in the drinking water that can cause dental fluorosis (mottling of the permanent teeth) and skeletal fluorosis (a serious bone disorder). The drinking water also had a high sodium content. *The project consisted of constructing a reverse osmosis water treatment plant, rehabilitating the existing water storage tank, and performing a pilot study to fine tune treatment plant design requirements.*

NAME OF RECIPIENT	**Roundup, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$1,089,000	RD Loan
TOTAL	$1,989,000	

PROJECT SUMMARY: Roundup's lagoons were no longer large enough to dispose of the effluent by evaporation. Ponding of wastewater occurred at the surface outside of the lagoon dikes. A dike failure would have caused lagoon contents to enter the adjacent Musselshell River, which would have affected adjacent landowners, and communities downstream. The high sodium content in the wastewater could have harmed the farmland and made it useless for disposal. *The project consisted of constructing a new aerated wastewater treatment facility, replacing the current deteriorated line, and installing a new line that meets state slope requirements for proper operation.*

NAME OF RECIPIENT	**Terry, Town of**	
PROJECT TYPE	Wastewater/Storm Drain Separation	
FUNDING	$ 500,000	TSEP Grant
	$ 572,700	RD Grant
	$ 476,900	RD Loan
	$ 30,240	Local Funds
TOTAL	$1,579,840	

PROJECT SUMMARY: Terry's wastewater system had deficiencies that resulted in backups of sewage in basements, overflow of sewage from manholes, and potentially contaminated shallow wells. The deficiencies included: vitrified clay pipe that was cracked, broken and collapsed; wide or offset joints obstructing flow and causing plugging; a combined sanitary and storm sewer that caused the system to overload during storm events. *The project consisted of replacing approximately 16,350 feet of sanitary sewer, constructing approximately 3,250 feet of storm drain, and installing approximately 66 manholes.*

NAME OF RECIPIENT	**Twin Bridges, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 300,000	SRF Loan
	$ 68,500	Local Funds
TOTAL	$1,368,500	

PROJECT SUMMARY: Twin Bridges' 50,000-gallon water storage tank and water line pressures were not sufficient to provide adequate capacity to suppress a major fire event. The distribution lines were not looped, so there was the potential for contamination due to stagnant water in dead end lines. The distribution lines were too undersized to carry the required fire flow. Water flows and pressures did not meet minimum standards for daily usage and fire protection. *The project consisted of constructing a*

300,000-gallon reservoir and a 12-inch transmission main to connect the new reservoir to the existing distribution system, replacing portions of the existing distribution system, and improving various parts of the system including the addition of pressure release valves, pump control valves on the water supply wells, flow meters, and miscellaneous piping.

NAME OF RECIPIENT	**Valier, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 200,000	SRF Loan
TOTAL	$1,200,000	

PROJECT SUMMARY: The Valier wastewater treatment facility had serious deficiencies including: accumulation of sludge in the treatment lagoon, porous soils in the bed of the treatment lagoon that allowed wastewater to percolate too rapidly, failing lagoon embankments, a single cell treatment lagoon system that did not allow continued wastewater treatment when the lagoon was dewatered for maintenance, and storm water infiltration that increased the volume of wastewater requiring treatment. *The project consisted of removing sludge from the lagoon, constructing three cells within the existing single cell, adding aeration to the lagoons, and lining the three new aerated cells with an impermeable liner.*

Projects Approved by the 1999 Legislature

Forty-one applications requesting $15.85 million in TSEP funds were submitted for the 2001 biennium. The 1999 Legislature approved $12.3 million in TSEP grant funds for 32 projects. **All of the projects have been completed.**

NAME OF RECIPIENT	**Arlee Water and Sewer District (Lake County)**	
PROJECT TYPE	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 12,745	DEQ Grant
	$ 320,000	Salish and Kootenai Tribal Grant
	$ 11,388	Local Funds
	$ 742,100	RD Loan
	$1,517,800	RD Grant
TOTAL	$3,603,983	

PROJECT SUMMARY: Lack of a sewage disposal and/or a public water supply system for the district's lots that are located in close proximity to each other had created the following deficiencies: increasing nitrate contamination in district wells, moratorium on new sewer installation near and in the community by the county, potential for contamination of area wells during time of drought when there was a high demand on the aquifer, and 64 Safe Drinking Water violations in eight public service establishments. *The project consisted of constructing a wastewater collection and treatment system.*

NAME OF RECIPIENT	**Augusta Water and Sewer District (Lewis and Clark County)**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 506,000	SRF Loan
	$ 37,484	Local Funds
TOTAL	$1,543,484	

PROJECT SUMMARY: The district's wastewater system was operating under a DEQ recommended moratorium on new hookups since it had several deficiencies including: inadequate in size, lagoon leaks excessively, no discharge permit even though there is a discharge line, had accumulated 1.5 feet of sludge, no room for expansion, substandard sewer line extensions, and sewer mains with less than desirable slopes. *The project consisted of replacing the existing single cell lagoon with a new total retention treatment facility, and replacing substandard sewer main extensions and connections.*

NAME OF RECIPIENT	**Big Timber, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 92,400	Local Funds
	$ 389,000	SRF Loan
	$ 503,206	Mine Impact
	$ 435,406	STAG Grant
TOTAL	$2,320,012	

PROJECT SUMMARY: The city's wastewater system had several deficiencies including: the sewage lagoon was severely leaking (70% leakage), high nitrates in an observation well, the lagoon's aeration systems were inadequate and could not property treat the wastewater, deteriorated sewage collection pipes, and three BOD and TSS violations of the discharge permit prior to 1995, and 10 additional violations since 1995. *The project consisted of constructing a new three cell aerated lagoon, with new hydraulic structures, and a new synthetic lagoon liner. The project also included constructing lift stations to state standards and setting priorities for replacement of sewer lines.*

NAME OF RECIPIENT	**Boulder, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$1,294,000	SRF Loan
	$ 10,000	Local Funds
TOTAL	$2,304,000	

PROJECT SUMMARY: Boulder's water system had the following deficiencies: drinking water exceeded the standards of the EPA Lead and Copper Rule, deteriorated steel distribution mains lost 40% of the pumped water due to leakage resulting in summer water shortages, undersized distribution mains resulted in inadequate fire flows, the system could not accurately measure total water usage, and dead end distribution mains. *The project consisted of replacing approximately 30,000 feet of distribution main and gate valves, hydrants, fittings, and service lines, and installing water meters at each well so the town can accurately measure the system's total usage. The project, as originally proposed, was also supposed to include the installation of corrosion control treatment equipment at each well, but the town refused to complete that portion of the project.*

NAME OF RECIPIENT	**Chester, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 220,150	TSEP Grant
	$ 34,500	Local Funds
	$ 348,000	EDA Grant
TOTAL	$ 602,650	

PROJECT SUMMARY: The town's water system had several deficiencies including: no control system for the water treatment plan, inadequate water pressure (less than 20 psi) and inadequate fire protection, dead end and undersized mains, health hazards from possible reverse flows, portions of the distribution system were prone to freeze-ups, and water service connections made of lead. *The project consisted of replacing inadequate water mains and service connections, constructing water hydrants, and installing a*

control system at the water treatment plant.

NAME OF RECIPIENT	**Columbia Falls, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 430,500	Local Funds
	$2,650,000	SRF Loan
TOTAL	$3,680,500	

PROJECT SUMMARY: The city's wastewater treatment plant had several deficiencies including: sludge storage basin leaking significantly (333 gpd) and, if repaired, the basin would not have had sufficient capacity; sludge storage basin that was difficult to empty; treatment process degraded by foaming caused by microthrix bacteria; aeration basin chlorination system could not be used in cold weather; digester could not be aerated due to foaming, which prevented the sludge from being properly stabilized; feed system for phosphorous removal was not flow paced, occasionally failed, and did not have a backup; return activated sludge pumps were oversized, which limited efficient sludge management; and city was running out of access to land in order to continue sub-surface sludge injection. *The project consisted of adding sludge dewatering facilities, a new sludge storage pad, a new digester, improving the chlorine facility, adding flow capacity for the alum feed pumps, replacing the controls for lift station four, and replacing lift station five.*

NAME OF RECIPIENT	**Corvallis Sewer District (Ravalli County)**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 410,760	TSEP Grant
	$ 100,000	RRGL Grant
	$ 351,000	SRF Loan
	$ 400,000	CDBG Grant
	$ 70,000	Local Funds
	$ 10,000	EPA Grant
TOTAL	$1,341,760	

PROJECT SUMMARY: Corvallis wastewater treatment facility had several deficiencies including: facility was experiencing hydraulic and organic loading significantly beyond its design potential, accumulated solids in both treatment cells, problems with aeration equipment, facility was causing nitrate contamination in the groundwater, and DEQ had warned Corvallis that continued exceedences in nitrate contamination could result in state enforcement. *The project consisted of replacing the existing aeration system with static tube diffusers, increasing the power of two blowers, removing accumulated sludge, constructing an additional lagoon cell for treatment and storage, constructing a wetlands for nitrogen removal, and expanding the I/P beds.*

NAME OF RECIPIENT	**Cut Bank, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$2,304,000	RD Grant/Loan
	$ 22,500	Local Funds
TOTAL	$2,926,500	

PROJECT SUMMARY: The city's water system deficiencies included: at least one intake pipe was plugged and one was broken leaving only one pipe to collect water for the city; no raw water storage to provide uninterrupted clean water when agricultural waste upstream from Cut Bank was washed into the creek, contaminating the city's source of water; one part of the distribution system had undersized water lines resulting in very low water pressure and nearly non-existent fire flows during irrigation season; a one million gallon reinforced concrete water storage tank was deteriorating and was in danger of the roof collapsing; a one million gallon steel standpipe had features that caused extremely low water pressure in

the "booster district;" and a severely deteriorated distribution system. *The project consisted of constructing a 63 million-gallon raw water reservoir, rehabilitating the intake structure, replacing the existing treatment plant clarifier, providing standby power, updating plant controls, constructing upper loop distribution main, constructing a new concrete tank and rehabilitating the existing one, rehabilitating the booster station and repairing the standpipe.*

NAME OF RECIPIENT	**Denton, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 343,058	TSEP Grant ($71,942 was also authorized but was not spent and returned to the TSEP fund)
	$ 100,000	RRGL Grant
	$ 194,130	SRF Loan
	$ 12,000	EPA Grant
	$ 7,500	CDBG Grant
	$ 31,097	Local funds
TOTAL	$ 687,785	

PROJECT SUMMARY: The town's wastewater treatment system had the following deficiencies: inadequate treatment lagoon volume, the lagoon had severe erosion along interior dikes, the lagoon performance was limited by the single cell facility, a significant volume of sludge had accumulated in the treatment lagoon, and BOD and fecal coliform discharge violations. *The project consisted of constructing a three-cell facultative lagoon system.*

NAME OF RECIPIENT	**Drummond, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 292,850	TSEP Grant
	$ 162,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 10,175	EPA Grant
	$ 2,448	Local Funds
	$ 38,118	SRF Loan
TOTAL	$ 605,591	

PROJECT SUMMARY: Drummond's wastewater system had several deficiencies including: the 1.5-mile outfall line picked up to 0.3 mgd of infiltration and inflow at times during the year, the existing inlet line was leaking causing short-circuiting, and only half of the lagoon cell was effectively used. *The project consisted of replacing the 1.5-mile outfall line to the existing lift station and constructing a new inlet manhole at the northeast corner of the lagoon.*

NAME OF RECIPIENT	**Ekalaka, Town of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 87,200	TSEP Grant
	$ 65,400	RD Grant
	$ 21,800	RD Loan
	$ 4,000	Local Funds
TOTAL	$ 178,400	

PROJECT SUMMARY: The town's wastewater collection system had two main deficiencies including: a shallow sewer main over a culvert pipe that froze resulting in raw sewage backing up into residential basements and a section of sewer main that was very flat and had displaced joints that resulted in plugging and raw sewage backing up into residential basements. *Major elements of the project were to include replacing 1,872 feet of sewer main. However, the town requested that the original scope of the project be changed, submitted a new grant application.* **The 2003 Legislature terminated this grant award and awarded a new grant for a new scope of work.**

NAME OF RECIPIENT **Geraldine, Town of**

PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 300,000	TSEP Grant
	$ 315,346	CDBG Grant
	$ 50,000	RRGL Grant
	$ 113,000	SRF Loan
	$ 5,717	Local Funds
TOTAL	$ 784,063	

PROJECT SUMMARY: Geraldine's wastewater treatment system had the following deficiencies: inadequate lagoon volume, lagoon had severe erosion along interior dikes, discharge structure was deteriorated beyond simple repair, no primary flow measuring device, lagoon operation and performance limited by having only a single cell facility, a significant volume of sludge had accumulated in the treatment cells that was adversely affecting the treatment process, and fencing was needed to prevent access to the site by the public. *The project consisted of constructing an additional treatment cell and installing a wind-driven mixer, new piping and discharge structures, rehabilitating an existing cell including removal of sludge, restoring dike slopes and installing a synthetic liner. A video inspection program involving cleaning, video taping and a summary report was also completed to assist in the implementation of Phase II of the town's CIP to address long-term wastewater collection needs.*

NAME OF RECIPIENT	**Glasgow, City of**	
PROJECT TYPE	Wastewater System Improvements (Sewer/Storm Drainage Separation)	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 995,000	SRF Loan
	$ 16,500	Local funds
TOTAL	$2,011,500	

PROJECT SUMMARY: The city's sanitary sewage collection system also served as a storm drainage collection system for 270 acres of the city. During storm events, raw sewage backed up into basements of local residences and businesses and overflowed into the Milk River. *The project consisted of constructing approximately 11,000 feet of new storm drains and new retention basins serving the north side of Glasgow.*

NAME OF RECIPIENT	**Harrison Water and Sewer District (Madison County)**	
PROJECT TYPE	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 341,200	DEQ Hardship Grant
	$ 453,800	RD Grant
	$ 322,500	RD Loan
TOTAL	$1,717,500	

PROJECT SUMMARY: The Community of Harrison is situated near Willow Creek, with a groundwater table that rises to within one to four feet of the surface. This situation caused some on-site treatment systems to fail. The Madison County sanitarian placed a moratorium on any new on-site systems. In addition, the local elementary school had been placed under a State order to improve, or replace, its wastewater treatment system (multiple septic tanks and drain fields) or connect to a municipal system. *The project consisted of constructing a conventional gravity collection system treated with facultative storage lagoons and spray irrigation.*

NAME OF RECIPIENT	**Havre, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 303,747	TSEP Grant
	$ 689,031	EDA Grant
	$ 275,041	Local Funds

TOTAL	$1,267,819

PROJECT SUMMARY: The city's water system had one major deficiency: considerable leakage in the lead joints of the single 16-inch transmission main. *The project consisted of replacing the 16-inch water main from 6th Avenue West to Montana Avenue.*

NAME OF RECIPIENT	**Helena, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,250,000	SRF Loan
	$3,074,438	Local Funds
TOTAL	$4,824,438	

PROJECT SUMMARY: The city's water system had several deficiencies including: water distribution improvements were needed on the east side of the city, inadequate water storage prevented new development and limited water use on the east side of the city, and fire flow improvements were needed. *The project consisted of constructing a new pumping and distribution network, a new reservoir on the east side of the city, and a new clear well and pumping station to address inadequate fire flows and water pressures on the east side of the city.*

NAME OF RECIPIENT	**Highwood Water and Sewer District (Chouteau County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 400,000	TSEP Grant
	$ 360,000	CDBG Grant
	$ 34,500	SRF Loan
	$ 9,000	Local Funds
TOTAL	$ 803,560	

PROJECT SUMMARY: The district's water system had numerous deficiencies including: lead concentrations that exceeded the EPA's Lead and Copper Rule, negative system pressures, inadequate chlorine contact time, source development and treatment did not meet state standards, no fire protection, inadequate valving and looping, aged and deteriorating mains and services, and no water meters on the supply and individual services. *The project consisted of replacing much of the distribution system, looping most of the dead-ends, replacing lead service lines, adding fire hydrants, constructing an adequate water tank, and upgrading existing well controls.*

NAME OF RECIPIENT	**La Casa Grande Water and Sewer District (Lewis and Clark County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 650,000	SRF Loan
TOTAL	$1,250,000	

PROJECT SUMMARY: The existing water system was owned and operated by a private company. The district had not been able to negotiate an agreement with the owner of the existing system either to improve the system or to transfer ownership of the system to the district. The private water system had the following deficiencies: fire protection was minimal. The local volunteer fire department did not recognize the current water system as a useable source for fire suppression due to low water pressure, the four wells being utilized did not provide an inadequate water supply to satisfy water use demands, and lack of water prevented lawns from being irrigated to mitigate the lead contamination from the ASARCO lead smelter, thus creating a potential adverse health impact to children. *The project consisted of constructing a new water storage tank, fire hydrants, water mains, and water services.*

NAME OF RECIPIENT	**Lewis and Clark County**	
PROJECT TYPE	Bridges	
FUNDING	$ 500,000	TSEP Grant

	$ 665,985	Local Funds
TOTAL	$1,165,985	

PROJECT SUMMARY: The county identified six bridges (Green Meadow Drive Bridge over Silver Creek, Birdseye Road Bridge over Seven Mile Creek, Country Club Avenue Bridge over Ten Mile Creek, Green Meadow Drive Canal Bridget, Valley Drive Canal Bridge, and McHugh Drive Canal Bridge) that were in critical need of reconstruction. *The project consisted of replacing all six bridges.*

NAME OF RECIPIENT	**Missoula, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 434,279	City Bond
	$2,670,952	SRF Loan (City SID)
	$ 150,000	Missoula Water Quality District Grant
TOTAL	$4,255,231	

PROJECT SUMMARY: The Missoula Valley Aquifer is the city's only source of drinking water and the East Reserve Street area represented a significant threat to water quality and public health. The project completed the three-phase project. *The project consisted of eliminating individual septic tanks and connecting properties to the city's central wastewater system.*

NAME OF RECIPIENT	**Philipsburg, Town of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 121,900	TSEP Grant
	$ 407,496	CDBG Grants
	$ 344,123	Local Funds
	$ 241,000	SRF Loan
TOTAL	$1,114,519	

PROJECT SUMMARY: Philipsburg's only water source, Fred Burr Lake, has highly corrosive water, which resulted in high levels of both lead and copper in the water distribution system and were in violation of the EPA Lead and Copper Rule. *The project consisted of developing a well to blend groundwater with the water from Fred Burr Lake in order to accomplish a reduction of lead and copper levels in the distribution system. The new groundwater well will also provide the town with a backup water source, in the event the Fred Burr Lake water supply is interrupted or if the town's waiver for filtration of a surface water supply is lost.*

NAME OF RECIPIENT	**Rae Water and Sewer District (Gallatin County)**	
PROJECT TYPE	Wastewater Treatment System	
FUNDING	$ 485,850	TSEP Grant
	$ 517,340	Local Funds
	$ 372,927	CDBG Grant
	$ 100,000	RRGL Grant
	$ 550,000	RD Grant
	$ 400,000	RD Loan
TOTAL	$2,426,177	

PROJECT SUMMARY: The district had nowhere to discharge its wastewater effluent and it had excessive leakage from its lagoons. *The project consisted of constructing a sequencing batch reactor treatment system with treated water discharged directly to groundwater.*

NAME OF RECIPIENT	**Red Lodge, City of**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant

	$ 125,000	Local Funds
	$4,633,600	RD Loan
TOTAL	$5,258,600	

PROJECT SUMMARY: The city's wastewater system had several deficiencies including: DEQ had prohibited expansion beyond the existing approved hookups without improvements to the treatment facility if it meant potential degradation of Rock Creek; lagoon ponds were at capacity and incapable of meeting new non-degradation regulations beyond current levels; lagoon cells were unlined resulting in a 30 to 50% loss of effluent to the subsurface; cells were undersized for current flows; lagoon discharged into an open drainage ditch that ran through private property; and infiltration and inflow affected efficient treatment of waste at the lagoons. *The project consisted of lining and adding aeration to the lagoons, installing an outfall line to Rock Creek, and installing new storm water collection laterals in the downtown area drainage east of the existing Haggin storm drain.*

NAME OF RECIPIENT	**Richland County**	
PROJECT TYPE	Bridges	
FUNDING	$ 181,155	TSEP Grant
	$ 191,655	Local Funds
TOTAL	$ 372,810	

PROJECT SUMMARY: Two of the county's bridges (Michelletto Bridge and Haffner Bridge) did not have the structural capacity to support modern day modes of transportation, including farm and oil field equipment that can weigh up to 40 tons, nor do these structures meet the county's dimensional standards. *The project consisted of extracting and salvaging the existing substructures in order to preserve their historical significance, and installing new pile supported concrete substructures and pre-cast concrete decks.*

NAME OF RECIPIENT	**South Hills Water and Sewer District (Yellowstone County)**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$2,750,000	City of Billings
TOTAL	$3,250,000	

PROJECT SUMMARY: The South Hills water system had the following deficiencies: noncompliance with the Montana Public Water Supply Act, failure to use approved surface water treatment techniques, and inadequate water filtration. *Major elements of the project, as originally proposed, were to install a membrane filtration plant and disinfection facilities. However, the original scope of the project was modified. Instead of building its own water treatment plant, the district joined with the Cedar Park Water and Sewer District to construct a pipeline that transports water from the City of Billings water system. The revised project was strongly encouraged by DEQ and a better long-term solution. Both districts were annexed into the city 2002 and are connected to the city water system.*

NAME OF RECIPIENT	**Sweetgrass Community Water and Sewer District (Toole County)**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 213,000	TSEP Grant
	$ 260,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 80,000	SRF Loan
	$ 37,285	Toole County/District
TOTAL	$ 690,285	

PROJECT SUMMARY: The wastewater treatment system had the following deficiencies: system only had one treatment lagoon while state standards required a minimum of two, inlet design violated state standards, and the seepage rate was in violation of state standard of six inches a year. *The project consisted of expanding the lagoon system to two cells, adding a new inlet, and relining an existing lagoon cell to prevent leakage.*

NAME OF RECIPIENT	**Thompson Falls, City of**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 370,000	RD Grant
	$1,301,300	RD Loan
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
TOTAL	$2,671,300	

PROJECT SUMMARY: The city's water system had the following deficiencies: a DEQ directive to filter the surface water source, well number two had elevated levels of iron and manganese, inadequate water pressure and fire flows due to undersized water mains and lack of looping, and distribution system had excessive water loss. *The project consisted of installing an intake structure at the spring, either redeveloping well number two or constructing a new well, evaluating the distribution system for leakage, and replacing water mains to improve fire protection and reduce water loss.*

NAME 0F RECIPIENT	**Willow Creek Sewer District (Gallatin County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 283,000	RD Grant
	$ 250,400	RD Loan
	$ 5,000	Local Funds
TOTAL	$1,038,000	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: the treatment system had outgrown the capacity of its treatment system and was frequently overloaded, raw or partially treated wastewater was discharged from the plant resulting in a built up of sludge in a drainage ditch that lead from the treatment plant to the Jefferson River. *The project consisted of constructing a lagoon treatment system.*

Projects Approved by the 2001 Legislature

Thirty-Eight applications requesting $16.77 million in TSEP funds were submitted for the 2003 biennium. The 2001 Legislature approved $13.67 million in TSEP grant funds for 32 projects. **Where project status is not given, the project has been completed.**

NAME 0F RECIPIENT	**Alder Water and Sewer District (Madison County)**	
TYPE OF PROJECT	Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 25,000	Local Funds
	$ 464,500	RD Grant
	$ 181,000	RD Loan
TOTAL	$1,770,500	

PROJECT SUMMARY: The district lacked a centralized wastewater system wastewater system and had the following problems: the groundwater table rises to within one to four feet of the ground surface and caused on-site treatment systems to fail, wells being contaminated, a moratorium on any proposed new on-site systems; those wishing to repair or replace existing failed systems had to receive a variance, and several local businesses had been placed under state orders to improve or replace their current wastewater treatment systems or connect to a municipal system that would accept their wastewater. *The project consisted of abandoning the existing on-site septic tank/drainfield systems and constructing a*

centralized wastewater system with a conventional gravity collection system, a treatment facility with two facultative storage lagoons, and spray irrigation for discharge in the summer months.

NAME 0F RECIPIENT	**Ashland County Water and Sewer District (Rosebud County)**	
TYPE OF PROJECT	Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 385,500	CDBG Grant
	$ 185,000	Coal Board Grant
	$ 115,000	EDA Grant
	$ 116,750	SRF Loan
	$ 28,750	Local Funds
TOTAL	$1,431,000	

PROJECT SUMMARY: The district lacked a centralized wastewater system wastewater system and there were measurable impacts to water supplies occurring as a result of contamination from the septic systems. *The project consisted of constructing a centralized wastewater system utilizing a lagoon treatment system with wetlands for effluent polishing, and infiltration basins for final discharge.*

NAME 0F RECIPIENT	**Blackfeet Tribe and Town of Browning**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant/Blackfeet Tribe
	$ 500,000	TSEP Grant/Browning
	$ 306,555	TSEP Grant/E. Glacier Water District
	$ 500,000	CDBG Grant/Browning
	$ 800,000	Indian CDBG Grant
	$ 720,000	EPA Grant
	$ 1,500,000	Tribal Housing
	$ 800,000	Indian Health Services
	$ 100,000	RD Grant
	$ 6,279,234	RD Loan
TOTAL	$12,005,789	

PROJECT SUMMARY: The town's water system has the following deficiencies: limited ground water supply, and high iron and manganese content. The district (East Glacier) provides drinking water to approximately 400 people in Glacier County from an unfiltered surface water source, has been under a DEQ boil order, and is required to install water treatment facilities. The Blackfeet Tribe joined with these two communities to resolve their problems by providing water to them. *Major elements of the project include constructing a treatment plant on Lower Two Medicine Lake, storage, and transmission lines to East Glacier and Browning.*

PROJECT STATUS: The intake and the transmission main to East Glacier has been completed and the construction of the water treatment plant is anticipated to be completed in the Fall of 2008. The TSEP grants awarded to the district and the tribe were used to help fund the treatment plant. The transmission main and a storage tank to serve the town is anticipated to be constructed in 2009. The funding package for the last phase is still incomplete; therefore, the town has not yet been able to meet its start-up conditions.

NAME 0F RECIPIENT	**Charlo Sewer District (Lake County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 110,000	RRGL Grants
	$ 198,758	RD Grant
	$ 258,771	RD Loan

	$ 52,500	Local Funds
TOTAL	$1,520,029	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: the existing cell has inadequate volume, the single cell allows very limited process control or flexibility, the cell banks are eroded, there are no primary measuring devices, the existing lift station cannot pump the required volume at peak flows, an accumulation of 50 years of sludge has decreased the effective volume of the cell, discharges often violate the limits of the current permit, the current system cannot meet the new ammonia level requirements, and effluent seeps through the cell banks. *The project consisted of constructing an aerated cell along with constructed wetlands, a new lift station, and replacing the collection main from Charlo to a new lift station.*

NAME 0F RECIPIENT	**Choteau, City of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,028,975	SRF Loan
TOTAL	$1,528,975	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: the collection system was generally located below the groundwater table, and the old pipe, with open joints in the old clay tile materials, allowed large quantities of clear water to infiltrate into the system, resulting in surcharging of the sewer, sewage backups, and hydraulic overloading of the treatment system. *The project consisted of replacing or rehabilitating 21,700 feet of collection lines, and rehabilitating 45 manholes.*

NAME 0F RECIPIENT	**Essex Water and Sewer District (Flathead County)**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 100,000	TSEP Grant
	$ 120,000	BNSF Grant
	$ 30,000	Local Funds
TOTAL	$ 250,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: inadequate screening at the intake allows forest debris and mud to enter the system during periods of high run-off, the chlorination facility is sub-standard in terms of ventilation and chlorine segregation, sustained power outages occur frequently, rendering pumping facilities associated with other area water systems inoperable, small diameter distribution mains are buried two feet or less in the ground and freeze frequently in areas where the snow cover is removed for vehicle access, large portion of the transmission main is laid on top of the ground or is covered by two feet or less of forest duff, the cast iron transmission main is deteriorating, and an elevated 40,000 gallon storage tank is aging. Major elements of the project originally included constructing a deep well in a known productive aquifer, constructing chlorination facilities, replacing the distribution system in public right of way with four-inch PVC pipe, connecting all existing services, and constructing a 30,000-gallon storage tank. However, the district did not move forward with the project and the department recommended to the 2005 Legislature that the TSEP grant for this project be terminated. However, because DEQ has major issues with the current water supply and the district agree to move forward with a smaller project, the Legislature reduced the TSEP amount to $100,000 and reduced the scope to just constructing a new well.

PROJECT STATUS: Contract has been signed, firm commitment of funds has been shown; but, no other start-up conditions have been met. Well has been drilled.

NAME 0F RECIPIENT	**Eureka, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 369,000	TSEP Grant
	$ 469,000	CDBG Grant

TOTAL	$ 838,000	

PROJECT SUMMARY: The town's water system had the following deficiencies: the infiltration gallery was classified as Groundwater Under the Direct Influence of Surface Water, leaking distribution lines, undersized distribution lines, inadequate fire flow, and no meters. *The project consisted of improving the existing deep well, adding chlorine system, constructing a dedicated line from infiltration gallery chlorine feed point to water tank, adding baffles to water tank, adding corrosion control, replacing line from West Ave. to Pinkham Road with eight-inch PVC, and installing 475 meters.*

NAME 0F RECIPIENT	**Florence Water and Sewer District (Ravalli County)**	
TYPE OF PROJECT	Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$2,000,000	STAG Grant
	$1,490,500	RD Grant
	$1,864,500	RD Loan
TOTAL	$6,455,000	

PROJECT SUMMARY: The district lacks a centralized wastewater system and there is measurable impacts to water supplies occurring as a result of contamination from the septic systems currently being utilized. The plan was to construct a centralized wastewater system for the community. ***The district decided not to move forward with the project and the 2005 Legislature terminated the TSEP grant for this project.***

NAME 0F RECIPIENT	**Froid, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 390,600	TSEP Grant
	$ 434,400	CDBG Grants
	$ 66,000	SRF Loan
TOTAL	$ 891,000	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: sewer main plugs resulting in raw sewage backing up into buildings, increased operation and maintenance costs due to current sewer main flushing/cleaning requirements, infiltration/inflow problems, and rising electrical consumption due to lift stations frequently operating to handle the infiltration entering the collection system. *The project consisted of replacing approximately 9,000 feet of sewer mains and 31 manholes.*

NAME 0F RECIPIENT	**Gardiner-Park County Water and Sewer District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 398,500	TSEP Grant
	$ 169,637	SRF Loan
	$ 230,206	Local Funds
TOTAL	$ 798,343	

PROJECT SUMMARY: The district's water system had the following deficiencies: inter-connection with a private water system, the connection box had dead rodents floating in it, water main on Scott Street had only a 3 to 4 feet of cover, chlorinated water from the Park Tank overflowed before the new spring overflow at the North Tank, and the four-inch main on Scott Street did not provide sufficient fire flow or allow hydrants to be placed on this main since the line was too small. *The project consisted of replacing water mains along Scott Street, adding new hydrants along Scott Street, abandoning the private system and connecting the hotel and bank to the district's system, and adjusting the spring overflow elevation by lowering it six-inch or making it adjustable.*

NAME 0F RECIPIENT	**Geraldine, Town of**
TYPE OF PROJECT	Water System Improvements

FUNDING	$ 167,460	TSEP Grant
	$ 100,000	RRGL Grant
	$ 67,572	SRF Loan
TOTAL	$ 335,032	

PROJECT SUMMARY: The town's water system had the following deficiencies: leakage and unaccounted water loss, no heat during inclement weather, and insufficient chlorination. *The project consisted of replacing and relocating the chlorination station and installing water meters.*

NAME 0F RECIPIENT	**Havre, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 271,500	SRF Loan
	$ 271,500	SRF Loan (SID)
TOTAL	$1,043,000	

PROJECT SUMMARY: The city's water system has the following deficiencies: the South End and Highland Park areas are serviced by one elevated storage tank, a major break in the storage tank main feed line will interrupt water service to 75% of the residents, the occasional use of the second water tank causes a change of flow through the water line, the reversal of flow can free oxides that have built up in the pipe, causing the water to temporarily turn black or brown (indication of excess particulate manganese) and occasionally red (indication of excess particulate iron), which is then carried into the homeowner's lines, and several dead-end lines in the area south of the high school in the Heritage Addition and the newly developed subdivisions in the county. *Major elements of the project were to include extending a 12-inch water line along the Southern edge of the city, changing the location of some of the existing valves, and looping dead-end lines.* ***However, the contract was terminated at the request of the city, due to the city canceling the project.***

NAME 0F RECIPIENT	**Hinsdale Water and Sewer District (Valley County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 329,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 169,000	CDBG Grant
	$ 55,000	SRF Loan
	$ 8,000	Local Funds
TOTAL	$ 661,000	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: treatment system was 25 years old and beyond its useful life, numerous fecal, BOD, and TSS permit violations, collection pipes were undersized, collection pipes were cracked and had root penetration, collection pipes leak, steel channels that formed the walkway around the aeration chamber were rusted through and unsafe, and the plant's grating and channel supports were corroded. *The project consisted of constructing a new treatment system adjacent to the existing system, rehabilitating the old system to provide a back-up, and replacing an unspecified amount of collection pipe.*

NAME 0F RECIPIENT	**Hot Springs, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 263,147	CDBG Grants
	$ 800,000	RD Grant
	$ 975,600	RD Loan
	$ 7,000	Local Funds
TOTAL	$2,645,747	

PROJECT SUMMARY: The town's water system had the following deficiencies: aging and an inadequate distribution of fire hydrants, 10,600 feet of undersized distribution mains, leaking distribution lines, old and leaking galvanized service lines, old and breaking cast iron pipe, dead-end mains, inadequate isolation valving, and negative water pressure in some parts of town when using fire hydrants. *The project consisted of replacing all the galvanized services, replacing 25,700 feet of cast iron mains with PVC pipe, installing 60 isolation valves, and replacing or adding 55 fire hydrants.*

NAME 0F RECIPIENT	**Kevin, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 385,000	TSEP Grant
	$ 367,332	CDBG Grant
	$ 8,980	RRGL Planning Grant
	$ 6,848	MDEQ Grant
	$ 96,726	SRF Loan
TOTAL	$ 859,886	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: frequent BOD violations, the lift station and wet well had reached the end of their useful life, no backup power source, and ground water was infiltrating into the collection system. *The project consisted of constructing a new accelerated facultative lagoon facility, removing sludge from the existing lagoons utilizing liquid dredging and land application, disassembling the existing lagoon cells, replacing lift station pumps and motors, rehabilitating the existing wet well, and installing a backup power supply for the lift station.*

NAME 0F RECIPIENT	**Lambert County Water and Sewer District (Richland County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 242,450	CDBG Grant
	$ 100,000	RRGL Grant
	$ 36,000	SRF Loan
	$ 25,000	Local Funds
TOTAL	$ 770,000	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: high levels of fluoride, water source fails to meet DEQ requirements regarding source capacity and number of sources, and breakages in water service connections have allowed coliform bacteria to infiltrate the water system. *Major elements of the project include constructing a new reverse osmosis water treatment facility, drilling a new well, installing water meters, and replacing water service connections.*

PROJECT STATUS: Construction has been completed, with the exception of water meters which are currently being installed.

NAME 0F RECIPIENT	**Lavina, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 483,000	TSEP Grant
	$ 390,000	CDBG Grant
	$ 121,000	SRF Loan
TOTAL	$ 994,000	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: substandard and unreliable lift station that caused sewage to back up into residents' crawl spaces and basements, unlined leaking lagoon that resulted in the local groundwater and the Musselshell River being polluted, the detention capacity of the single cell facultative lagoon was only 94 days for domestic flows and less than 20 days for infiltration-laden flows and did not meet the DEQ standard of a three-cell lagoon, decaying clay tile pipe that allowed severe infiltration, treatment facility discharges to the side channel of the Musselshell River, and lift station configuration caused surcharging of several blocks of sewer main each

time the pump cycled. *The project consisted of replacing all gravity collection mains, manholes, and service connections within the zone of groundwater inundation, constructing a new duplex submersible lift station with a back-up gas-fired pump, constructing a lined three-cell facultative lagoon, and installing a discharge pipe to the main channel of the river.*

NAME 0F RECIPIENT	**Lewis and Clark County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 538,000	Local Funds
TOTAL	$1,038,000	

PROJECT SUMMARY: The county had four bridges (Elk Creek Road Bridge, Smith Creek Road Bridge, Lyons Creek Road Bridge, Sierra Road Bridge) with a variety of deficiencies such as: substandard and deteriorated rails, decks, stringers, floor beams, girders, trusses, and abutments. *The project consisted of replacing all four bridges.*

NAME 0F RECIPIENT	**Lockwood Water and Sewer District (Yellowstone County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$3,801,000	EPA Grant
	$ 100,000	RRGL Grant
	$4,236,453	RD Loan
	$ 51,000	Local Funds
TOTAL	$8,688,453	

PROJECT SUMMARY: The district lacks a centralized wastewater system wastewater system and the following problems: there is a high percentage of drain field failures and limited or no space for replacement fields, with a high potential for groundwater contamination. *Major elements of the project include constructing a sanitary sewer collection system for the district. Wastewater would be pumped across the Yellowstone River for treatment and disposal at the City of Billings Wastewater Treatment Plant. The first phase would include construction of the trunk main from the wastewater treatment plant, boring under the Yellowstone River, and extending approximately two miles to Johnson Lane. This would also involve constructing two pumping stations.* ***Due to the district not being able to pass a bond election and the proposed project not moving forward, the TSEP grant was terminated by the 2007 Legislature.***

NAME 0F RECIPIENT	**Manhattan, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Loan
	$ 779,949	SRF Loan (Phase 1)
	$ 843,369	SRF Loan (Phase 2)
	$ 2,750	Local Funds
TOTAL	$2,726,068	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: high groundwater, deteriorated collection lines, gaps in joints of vitrified clay pipes, severe root intrusions in the older collection lines, deteriorated manholes, abandoned flush tanks in collection lines that prevent pipe maintenance, high maintenance requirements associated with repeated line back ups and basement flooding, BOD and fecal coliform violations, excessive seasonal leakage out of treatment cells, inadequate sewage treatment due to hydraulic overloading, inadequate sewage treatment resulting from overloading of the design BOD and TSS, and elevated nitrates in the shallow aquifer in the vicinity of the lagoon. *The project consisted of constructing a new wastewater treatment plant.*

NAME 0F RECIPIENT **Nashua, Town of**

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 455,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 238,650	SRF Loan
	$ 45,000	Local Funds
TOTAL	$1,338,650	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: leaking lagoons that caused accelerated erosion of the bank, insufficient lagoon capacity, lift station overflowed into the storm sewer, lack of back-up power caused raw sewage to flow to the Milk River during some power outages or when the system become temporarily overloaded, and lagoon bank erosion caused by a combination of seepage from the lagoon through the bank and natural meandering of the Milk River. *The project consisted of reconstructing the treatment system to include a lined, three-celled flow through a discharging facultative lagoon, installing new lift-station pumps, and installing a generator at the lift station for back-up power.*

NAME 0F RECIPIENT	**Park City/County Water and Sewer District (Stillwater County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 506,000	CDBG Grants (jncludes a Planning Grant)
	$ 100,000	RRGL Grant
	$ 20,000	EPA Grant
	$ 421,340	SRF Loan
	$ 144,850	Local Funds
TOTAL	$1,692,190	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: the lagoon was too small, detention time was insufficient, and system hydraulics were inhibiting treatment capabilities and contributing to water quality permit violations, the lagoon leaked, exceeding ammonia and fecal coliform limits, and the main lift station pump was not isolated from the wetwell, nor did it have an auxiliary power source. *The project consisted of constructing a new three-cell aerated lagoon, constructing a new lift station at the treatment site, and constructing a 1.2-mile conveyance line directly to the Yellowstone River.*

NAME 0F RECIPIENT	**Power/Teton County Water and Sewer District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 425,000	TSEP Grant
	$ 400,000	SRF Loan
	$ 100,000	Local Funds
TOTAL	$ 925,000	

PROJECT SUMMARY: The district's water system had the following deficiencies: treatment plant was outdated and sub-standard, and no back-up treatment system. *The project consisted of performing a pilot testing of conventional treatment versus membrane technology to determine the best treatment alternative, and constructing a new treatment plant.*

NAME 0F RECIPIENT	**Richland County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 296,500	TSEP Grant
	$ 296,500	Local Funds
TOTAL	$ 593,000	

PROJECT SUMMARY: The county had three timber constructed bridges (West John Berger Bridge, Savage Spillway Bridge, South Cemetery Road Bridge) with a variety of deficiencies. *The project consisted of replacing all three bridges.*

NAME 0F RECIPIENT	**Shelby, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 676,500	SRF Loan
	$ 61,500	Local Funds
TOTAL	$1,238,000	

PROJECT SUMMARY: The city's water system had the following deficiencies: deteriorating and leaking cast iron and asbestos cement water lines, small lines and line crossings (four-inch) that resulted in inadequate water volume and pressure that prevented adequate fire flows throughout the city, and fire hydrants that were old and had become faulty or inoperable. *The project consisted of replacing all four-inch and six-inch cast iron and asbestos cement lines with six-inch, eight-inch and 12-inch PVC pipe (a total of 12,225 feet), replacing 45 four-inch street water line crossings, replacing 40 faulty fire hydrants, and relocating three other fire hydrants.*

NAME 0F RECIPIENT	**Stanford, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 990,000	RD Loan
	$ 16,500	Local Funds
TOTAL	$1,606,500	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: single cell lagoon design configuration did not meet state design standards and detention time was only 79 days, lagoon was nearly full of sludge, BOD and TSS violations, outlet control provided inadequate control of flow rate and pond level, 70-year old clay sewer pipe was structurally inadequate, had holes and cracks, and was at risk of imminent failure. *The project consisted of replacing 2,800 feet of outfall pipe to the lagoon, replacing 5,800 feet of eight-inch and 10-inch diameter sewer trunk lines, removing sludge from the lagoon, and upgrading the lagoon to a three-cell system.*

NAME 0F RECIPIENT	**Virginia City, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 500,000	EDA Grant
	$ 724,000	SRF Loan
	$ 23,460	Local Funds
TOTAL	$1,847,460	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: total detention time was only 90 days, current lagoon location did not allow for expansion, treatment ponds rarely discharged to the infiltration cells demonstrating that it was leaking into the groundwater system, BOD loading exceeded state standards, which resulted in periodic odor problems, lagoon embankments were subject to erosion at the toes of the embankments, and embankments exceeded the 3:1 slope requirement. *The project consisted of abandoning the current wastewater treatment ponds (de-water, lower embankments, cover bottoms with soil and re-vegetate entire area), constructing a collection system for Nevada City, and constructing two wastewater lagoons for treatment and winter storage, and constructing a spray irrigation system.*

NAME 0F RECIPIENT	**Whitefish, City of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 110,000	RRGL Grants
	$ 198,530	SRF Loan

	$ 226,683	Local Funds
TOTAL	$1,035,213	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: the aeration diffusers suffered from frequent fouling, the blowers and some aeration piping were in need of replacement and up-sizing, and heavy sludge accumulations in the lagoons reduced detention times and exerted an oxygen demand that took away available oxygen for wastewater treatment. *The project consisted of installing new blowers, replacing and up-sizing aeration lines, adding control valves, installing new, fine-bubble diffuser units in all three aeration cells, and removing, de-watering and disposing of accumulated sludge from the treatment basins.*

NAME 0F RECIPIENT	**Whitewater Water and Sewer District (Philips County)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 236,895	CDBG Grant
	$ 100,000	RRGL Grant
	$ 100,000	Local Funds
	$ 120,000	SRF Loan
TOTAL	$1,056,895	

PROJECT SUMMARY: The district lacked a centralized wastewater system and had the following problems: failing septic systems, shallow drinking water wells, high groundwater table, and many of the existing septic systems violated the state requirement of 100 feet of separation between drain fields and wells. *The project consisted of abandoning existing septic systems by draining and filling the tanks with sand, installing a gravity collection system, installing gravity out-fall lines from the collection system to a new central treatment facility (if topography will not permit the use of the gravity flow, a sewer lift station and force main would be installed), and constructing a new central wastewater treatment facility consisting of a total retention lagoon.*

NAME 0F RECIPIENT	**Yellowstone, County of**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 300,000	TSEP Grant
	$ 320,761	Local Funds
TOTAL	$ 620,761	

PROJECT SUMMARY: The county had two bridges (Shiloh Road Bridge and South 32nd Street West Bridge) with a variety of deficiencies. *The project consisted of replacing both bridges.*

Projects Approved by the 2003 Legislature

Fifty-five applications requesting $21,902,149 in TSEP funds were submitted for the 2005 biennium. The 2003 Legislature approved $15,653,331 in TSEP grant funds for forty projects.

NAME 0F RECIPIENT	**Beaverhead County District (Wisdom)**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 74,700	RD Grant
	$ 91,300	RD Loan
TOTAL	$1,266,000	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: an undersized treatment facility, discharge of untreated wastewater, and leaking lagoon cells that potentially will

contaminate the groundwater. *The project consisted of constructing a new lagoon treatment facility with spray irrigation system.*

NAME 0F RECIPIENT **Black Eagle District**

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 214,200	TSEP Grant
	$ 214,200	Local Funds
TOTAL	$ 428,400	

PROJECT SUMMARY: The district's wastewater system had the following deficiencies: clay tile pipe without gaskets allowing leakage, inflow infiltration and root problems, and occasional back-ups into homes, and crumbling manholes. *The project consisted of replacing 3,920 feet of sewer main and six manholes.*

NAME 0F RECIPIENT **Blaine County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 322,782	TSEP Grant
	$ 157,782	Local Funds
	$ 165,000	In-Kind
TOTAL	$ 645,564	

PROJECT SUMMARY: The county had two bridges (Snake Creek Bridge and Harlem Canal Bridge with a variety of deficiencies. *The project consisted of replacing both bridges.*

NAME 0F RECIPIENT **Cascade County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 230,840	TSEP Grant
	$ 210,515	Intercap Loan
	$ 27,325	Local Funds
TOTAL	$ 468,680	

PROJECT SUMMARY: The Eden Bridge was a one-lane bridge with numerous structural deficits. *The project consisted of replacing the bridge.*

NAME 0F RECIPIENT **Chinook, City of**

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,300,000	RD Grant
	$1,500,000	RD Loan
	$ 23,073	Local Funds
TOTAL	$3,323,073	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: screw pumps inadequate, only one secondary clarifier, cracked drying beds, collection system had low areas, and an unreliable emergency generator. *The project consisted of replacing the screw pumps, constructing a building over the pump station, installing an influent flow meter and two new mixers, constructing a secondary clarifier, and replacing high priority mains and manholes.*

NAME 0F RECIPIENT **Conrad, City of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,350,000	STAG Grant
	$ 400,000	RD Grant
	$ 672,800	RD Loan
	$1,000,000	WRDA Grant

TOTAL	$4,022,800	

PROJECT SUMMARY: The city's water system has the following deficiencies: blockage of intake screens causing loss of intake, location of intake limited and sometimes non-existent during drought years. *The project consisted of constructing a new intake on Lake Francis, a new pump station and wet well on the south side of Lake Francis, an intake backwash, and 11,000 feet of transmission main.*

NAME 0F RECIPIENT	**Cooke City – Park County District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 782,000	RD Loan
TOTAL	$1,382,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: a spring classified as groundwater directly under the influence of surface water, shallow mains that tend to freeze, distribution system leaks, inadequate storage, and inadequate water supply causing the use of surface water requiring boil orders for safe consumption to meet demand. *The project consisted of replacing 7,000 feet of older mains and looping dead-ends, constructing a new 223,000-gallon buried steel water tank, drilling three new wells and installing meters on all service lines.*

NAME 0F RECIPIENT	**Ekalaka, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 154,197	TSEP Grant
	$ 212,697	CDBG Grant
	$ 5,000	CDBG/TA Grant
	$ 5,000	Local Funds
TOTAL	$ 376,894	

PROJECT SUMMARY: The town's wastewater system had the following deficiencies: shallow lines that froze and caused back-ups in homes, high O&M costs for the lagoon, inadequate quality monitoring and no final effluent disinfection. *The project consisted of video inspecting of all lines, replacing the shallow lines, installing static tube aeration in the lagoon and a UV disinfection system.*

NAME 0F RECIPIENT	**Gallatin County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 515,400	Local Funds
TOTAL	$1,015,400	

PROJECT SUMMARY: The county has three bridges (Cameron Bridge, Ice Pond Road Bridge and Story Hill Bridge) with a variety of deficiencies. *The project consisted of replacing two of the bridges. The Ice Pond Bridge was eliminated from the scope of work because of issues with adjacent land owners.*

NAME 0F RECIPIENT	**Gardiner/Park County District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,067,100	SRF Loan
	$ 16,700	Local Funds
TOTAL	$1,583,800	

PROJECT SUMMARY: The district's water system has the following deficiencies: arsenic contamination is excess of the EPA maximum contaminant level and the storage tank located in Yellowstone National Park does not maintain sufficient water during high demand periods due to undersized transmission

mains. *The project consisted of constructing an arsenic treatment plant and installing an additional 2,250 feet of eight-inch transmission main.*

NAME 0F RECIPIENT	**Geraldine, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 25,000	Local Funds
	$ 135,600	RD Loan
TOTAL	$1,235,660	

PROJECT SUMMARY: The town's water system has the following deficiencies: insufficient supply and storage, undersized piping and a well with objectionable taste, odor, excessive mineral concentrations including fluoride, and violate EPA's primary and secondary drinking water regulations. *The project consisted of constructing a 200,000-gallon storage tank, replacing undersized mains, and drilling a new well.*

NAME 0F RECIPIENT	**Glendive, City of**	
TYPE OF PROJECT	Stormwater System Improvements	
FUNDING	$ 139,133	TSEP Grant
	$ 133,500	BNSF Funds
	$ 32,450	Local Funds
TOTAL	$ 305,083	

PROJECT SUMMARY: The city's stormwater system had the following deficiencies: sediment from erosion of surrounding hills restricted the volume of stormwater that Rosser Ditch could handle causing flooding of adjacent areas, overloading the sanitary sewer system causing discharges. The flooding of adjacent areas was compounded by the fact BNSF rail yard would flood resulting in petro-chemicals being carried into the adjacent neighborhood. *The project consisted of constructing three basins to collect the sediment before it reached Rosser Ditch.*

NAME 0F RECIPIENT	**Hamilton, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 846,787	SRF Loan
	$ 17,500	Local Funds
	$ 7,500	TSEP/PER
TOTAL	$1,971,787	

PROJECT SUMMARY: The city's water system had the following deficiencies: aged and undersized leaking pipes, undersized storage tank and outdated wells without wellhead protection. *The project consisted of constructing a new well house, drilling three new wells, installing new mains and replacing existing mains, installing five fire hydrants, constructing a one million-gallon reservoir and metering all service connections.*

NAME 0F RECIPIENT	**Hill County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 175,803	TSEP Grant
	$ 100,000	Local Funds
	$ 84,881	In-Kind
TOTAL	$ 360,684	

PROJECT SUMMARY: The county had three bridges (Quarter Gulch Bridge, Big Hook Bridge and Wanke Bridge) with a variety of deficiencies. *The project consisted of replacing all three bridges.*

NAME 0F RECIPIENT	**Jordan, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 459,883	TSEP Grant
	$ 291,060	MDT Grant
	$ 463,838	RD Grant
	$ 14,200	Local Funds
TOTAL	$1,228,981	

PROJECT SUMMARY: The town's water system had the following deficiencies: a single groundwater supply, petroleum hydrocarbon induced gasket failure in supply lines, undersized distribution mains, low service pressure, dead end lines, a deteriorating storage tank, and no back-up power. *The project consisted of drilling an additional well, installing chlorination equipment, replacing 7,000 feet of water mains and installing auxiliary power sources.*

NAME 0F RECIPIENT	**Judith Basin County/Geyser District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 330,000	TSEP Grant
	$ 308,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 292,000	RD Grant
	$ 219,000	RD Loan
TOTAL	$1,249,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: inadequate supply and storage, no storage for emergency or fire flow conditions, only one supply well, undersized distribution mains, reduce capacity from wells, poor water quality, no auxiliary power and no water meters. *The project consisted of drilling two new wells, constructing a 67,000-gallon water tank, and installing 11 fire hydrants, 5,700 feet of distribution lines and 53 water meters.*

NAME 0F RECIPIENT	**Lake County Solid Waste District**	
TYPE OF PROJECT	Solid Waste System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,056,818	Local Funds
	$ 640,182	Intercap Loan
TOTAL	$2,197,000	

PROJECT SUMMARY: The district's solid waste system had the following deficiencies: landfill disposal space was projected to be gone by 2005, and DEQ regulations would not allow the existing landfill to be expanded because it was located in a geologically unstable area subject to seismic activity. *The project consisted of constructing a transfer station so the solid waste can be transported the Missoula landfill.*

NAME 0F RECIPIENT	**Lewis and Clark County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 170,575	TSEP Grant
	$ 170,575	Local Funds
TOTAL	$ 341,150	

PROJECT SUMMARY: The county had three bridges (Lake Helena Drive Bridge, John G. Mine Road Bridge and Stemple Pass Road Bridge) with a variety of deficiencies. *The project consisted of replacing the three bridges.*

NAME 0F RECIPIENT	**Libby, City of**
TYPE OF PROJECT	Water and Wastewater System Improvements

FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 241,275	Intercap Loan
	$ 380,000	Local Funds
TOTAL	$1,221,275	

PROJECT SUMMARY: The Johnson Acres neighborhood adjacent to the city had the following problems: a centralized wastewater system was not available in the area, water lines were undersized and leaking, improperly placed mains and lines, inadequate fire flows and portions of the system were located on private property without easements. *The project consisted of extending city sewer into the area, abandoning 105 existing septic tanks, extending city water service into the area, installing eight new fire hydrants, and replacing under-sized water transmission main with 1,440 feet of 12-inch pipe.*

NAME 0F RECIPIENT Madison County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 174,529	TSEP Grant
	$ 174,529	Local Funds
TOTAL	$ 349,058	

PROJECT SUMMARY: The county had three bridges (First South Boulder Road Bridge, Second South Boulder Road Bridge and South Willow Creek Bridge) with a variety of deficiencies. *The project consisted of replacing all three bridges.*

NAME 0F RECIPIENT Missoula, City of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 70,000	RRGL Grant
	$1,078,846	Local Funds
	$ 482,100	STAG Grant
	$2,861,000	SRF Loan
TOTAL	$4,991,946	

PROJECT SUMMARY: A portion of Rattlesnake Valley area within the City of Missoula has the following problems: the area has a significant number of on-site wastewater treatment systems that are inadequate and/or that have failed, and are polluting the city's sole source aquifer and causing high nutrient loading of the Clark Fork River. *The project would consist of constructing collector lines that would be connected to the city's wastewater system.*

PROJECT STATUS: The contract has been signed. A series of lawsuits delayed the commitment of a STAG grant that was obtained for the project. The Federal lawsuit was won by the City and EPA at the Ninth Circuit Court in December 2007, and no plaintiff appeal has occurred. In April 2008, a contract between EPA and the City was executed for the STAG funds. Three subdistricts have been connected at a total cost of $1,935,130. The TSEP funds will be used to connect the remainder of the subdistricts. The TSEP funds cannot be committed until the STAG funds are released and the remaining start-up conditions are met.

NAME 0F RECIPIENT Missoula County

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 499,335	TSEP Grant
	$ 100,000	RRGL Grant
	$ 584,320	RSID Loan
	$ 617,670	STAG
	$ 231,170	Missoula Water Quality District
TOTAL	$2,032,495	

PROJECT SUMMARY: The county's four sub-district wastewater systems in the Mullan Road corridor had the following deficiencies: inadequate aeration, leakage of treatment and storage facilities, inadequate treatment of effluent, some ageing septic tanks, and drainfield failure. *The project consisted of inspecting and repairing existing mains and lines, and installing gravity mains and collection lines to connect the sub-districts to the sewer trunk line.*

NAME 0F RECIPIENT	**Pablo – Lake County Water and Sewer District**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 477,900	STAG Grant
	$1,193,300	RD Grant
	$ 887,200	RD Loan
TOTAL	$3,658,400	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: an undersized treatment system, and a directive from the Confederated Salish and Kootenai Tribes to eliminate the use of rapid infiltration cells if the system is expanded. *Major elements of the project include: the abandoning the rapid infiltration cells, constructing three new storage cells and a spray irrigation pumping facility, and expanding the spray irrigation system.*

PROJECT STATUS: Construction is complete; however, there are problems with the irrigation system that need to be addressed.

NAME 0F RECIPIENT	**Phillips County Green Meadows District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 112,500	TSEP Grant
	$ 100,000	RRGL Grant
	$ 42,900	SRF Loan
TOTAL	$ 255,400	

PROJECT SUMMARY: The district's water system had the following deficiencies: untreated, insufficient water supply, undersized mains, dead-end lines, and undersized storage tank. *The project consisted of abandoning the present system, connecting to the City of Malta's water system with a new eight-inch looped distribution system and the installation of meters on all services.*

NAME 0F RECIPIENT	**Polson, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 589,418	SRF Loan
	$ 147,500	Local Funds
TOTAL	$1,236,918	

PROJECT SUMMARY: The city's water system had the following deficiencies: could not meet peak demands, low pressures due to storage drop during peak flows, and limited firefighting capacity. *The project consisted of constructing a water main that crosses the Flathead River in order to connect an existing well and storage facility.*

NAME 0F RECIPIENT	**Pondera County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 137,500	TSEP Grant
	$ 137,000	Local Funds
TOTAL	$ 275,000	

PROJECT SUMMARY: The Theatre #1 Bridge had rotting wood and a sagging deck. *The project consisted of replacing the bridge.*

NAME 0F RECIPIENT **Power-Teton County District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 339,900	SRF Loan
TOTAL	$ 939,900	

PROJECT SUMMARY: The district's water system had the following deficiencies: high-organic concentrations resulting in by-product violations, no storage for emergency or fire flow, lack of storage capacity, undersized distribution lines, no auxiliary power, and dead-end lines. *The project consisted of constructing a pre-sedimentation basin, a 250,000-gallon storage tank with transmission lines and high priority distribution lines.*

NAME 0F RECIPIENT **Ramsay County District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 255,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 175,000	RD Loan
TOTAL	$ 530,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: wells with no wellhead protection located in close proximity to potential source of pollution, low water pressure, lack of continuous disinfection, inadequate storage and inoperable valves and hydrants. *The project consisted of replacing undersized mains, installing five new hydrants and valves, drilling two new wells away from contamination, and installing meters.*

NAME 0F RECIPIENT **Richland County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 351,625	TSEP Grant
	$ 351,625	Local Funds
TOTAL	$ 703,250	

PROJECT SUMMARY: The county has four bridges (West Finnicum Bridge, East Palmer Bridge, Vournas Bridge and East Carlson Bridge) with a variety of deficiencies. *The project consists of replacing all four bridges.*

PROJECT STATUS: The West Finnicum Bridge, East Palmer Bridge, and East Carlson Bridges are complete. The Vournas Bridge is in final design.

NAME 0F RECIPIENT **Ryegate, Town of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 478,700	TSEP Grant
	$ 121,495	BOR Grant
	$ 100,000	RRGL Grant
	$ 278,749	RD Loan
	$ 16,135	Local Funds
TOTAL	$ 995,079	

PROJECT SUMMARY: The town's water system has the following deficiencies: the water source is designated GWUDISW, fecal coliform bacteria has been detected, the infiltration gallery capacity has decreased, and there is inadequate storage to meet fire protection requirements. The original project was to include: drilling two to three new wells, replacing cast iron pipe with PVC pipe, installing 10 new fire hydrants, conducting a structural inspection of the storage tank and metering service connections. The

scope of the project was modified due to the inability of finding water. *The project consisted of constructing an infiltration gallery, installing meters, installing 3,900 feet of six-inch main, and installing hydrants.*

NAME 0F RECIPIENT **Scobey, City of**

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 130,000	Local Funds
	$1,206,000	SRF Loan
TOTAL	$1,936,000	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: an undersized single cell lagoon had leaks, inoperable control structures, valves and outlet/inlet piping, clay tile pipe collection lines had many problems. *The project consisted of reconfiguring the treatment facility to a two-cell lined storage and spray irrigation, replacing seven manholes, replacing a portion of the mains, and constructing an equipment building.*

NAME 0F RECIPIENT **Sheaver's Creek District**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 276,000	RD Loan
	$ 585,400	RD Grant
	$ 500,000	RD Grant
TOTAL	$1,961,400	

PROJECT SUMMARY: The district's water system has the following deficiencies: fluoride levels exceeding EPA maximum contaminant level, possible spring under the influence of surface water, unburied transmission line, storage tank with no cover, undersized distribution mains, leaking distribution lines, inadequate storage, no fire service or hydrants, pressures below 20 psi, and no easements for repair. *The major components of the project include: Drilling three new wells, installing approximately 19,000 feet of mains, installing approximately 118 new services and meters, constructing a 140,000-gallon storage tank, and installing approximately 30 fire hydrants. TSEP funds will be used to pay for the drilling of one new well, constructing the storage tank, and installing the fire hydrants.*

PROJECT STATUS: The second phase, which will be funded by TSEP, has been bid and construction will begin soon.

NAME 0F RECIPIENT **Sheridan County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 210,775	TSEP Grant
	$ 210,775	Local Funds
TOTAL	$ 421,550	

PROJECT SUMMARY: The county has eight bridges (Rovig Bridge, East Twin Bridge, Dale Drawbond Bridge, Eagle Creek Bridge, Don Johnson Bridge, East and West Orvis Nelson Bridges, and North Dagmar Bridge) with a variety of deficiencies. *The original project consisted of replacing all eight bridges, but was modified to include only four bridges.*

PROJECT STATUS: Construction is complete on the East & West Orvis Nelson Bridges, North Dagmar Bridge, and Don Johnson Bridge. Eagle Creek Bridge is under construction.

NAME 0F RECIPIENT **Stanford, Town of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant

	$ 100,000	RRGL Grant
	$ 192,000	RD Grant
	$1,144,900	RD Loan
TOTAL	$1,764,100	

PROJECT SUMMARY: The town's water system has the following deficiencies: supply cannot meet average daily demand, water quality is poor, inadequate pressure, and 29 fire hydrants are 74 years old with inadequate size, leakage and some are inoperable. *Major elements of the project include: drilling two new wells, rehabilitating existing wells, constructing a 316,000-gallon storage tank and 3,200 feet of distribution lines, and replacing 29 fire hydrants.*

PROJECT STATUS: Most of the construction is completed. The last component, the remaining 820 feet of distribution main, was recently awarded a construction contract.

NAME 0F RECIPIENT **Stillwater County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 450,000	Local Funds
	$ 19,134	In-Kind
TOTAL	$ 919,134	

PROJECT SUMMARY: The county had five bridges (West Rosebud Creek Bridge, Grove Creek Bridge, Limestone Creek Bridge Pope Road Bridge and Youngs Point Road Bridge) with a variety of deficiencies. *The project consisted of replacing all five bridges.*

NAME 0F RECIPIENT **Sweet Grass County**

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 235,954	TSEP Grant
	$ 184,254	Local Funds
	$ 51,700	In-Kind
TOTAL	$ 471,908	

PROJECT SUMMARY: The county has three bridges (Big Timber Creek Bridge, Bridger Creek Road Bridge Stock Pass Crossing and Bridger Creek Road Bridge) with a variety of deficiencies. *The project consisted of replacing all three bridges.*

NAME 0F RECIPIENT **Troy, City of**

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 400,000	CDBG Grant
	$ 100,000	RRGL Grant
	$2,350,000	RD Loan
TOTAL	$3,350,000	

PROJECT SUMMARY: The city's water system has the following deficiencies: leakage causing loss of nearly half of the supply, inadequate storage, lack of metering, and contamination from a shallow well. *Major elements of the project include: drilling a new well, adding a disinfection system replacing 2,000 feet of main and 18,000 feet of service line, constructing a 180,000-gallon storage tank, and installing meters on all service connections.*

PROJECT STATUS: The construction has been completed with the exception of disinfection; TSEP is withholding the $10,000 retainage until disinfection (hypochlorination) is completed.

NAME 0F RECIPIENT **Upper-Lower River Road District**

TYPE OF PROJECT Water and Wastewater System

FUNDING	$ 500,000	TSEP Grant
	$ 500,000	State CDBG Grant
	$ 332,000	City CDBG Grant
	$ 100,000	RRGL Grant
	$ 867,300	STAG Grant
	$ 585,768	SRF Loan
TOTAL	$2,885,068	

PROJECT SUMMARY: The district's water and wastewater system has the following water and wastewater deficiency: on-site wastewater systems causing high levels of nitrate and ammonia in drinking water wells. *The scope of the project was modified to allow the district to phase the project, and in this first phase, connect only a part of the district. The project consisted of constructing water and sewer mains that are connected to the City of Great Falls water and sewer systems, constructing distribution and collection lines, and installing water meters.*

NAME 0F RECIPIENT	**Wolf Point, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,180,000	RD Loan
	$ 246,500	Local Funds
	$ 40,000	Tribal Funds
TOTAL	$1,966,500	

PROJECT SUMMARY: The city's wastewater system had the following deficiencies: an offensive odor, sludge build-up, and discharged at a marginally acceptable rate. *The project consisted of removing sludge, splitting the existing second cell to form a three-cell system, with two aerated cells and a polishing pond.*

NAME 0F RECIPIENT	**Worden – Ballentine District**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 24,222	Local Funds
	$ 850,300	SRF Loan
TOTAL	$1,474,522	

PROJECT SUMMARY: The district's water system had the following deficiencies: potential for backflow of raw water from the nearby creek, undersized pipelines, inadequate fire protections, aged pumps, undersized storage tank and no back-up water source. *The project consisted of videoing the source drain, drilling a well, constructing a chlorination facility, installing a new pump, adding a back-up generator, constructing a 200,000-gallon storage tank, and adding 8,000 feet of line, 21 valves and four hydrants.*

Projects Approved by the 2005 Legislature

Forty-seven applications requesting $18,551,674 in TSEP funds were submitted for the 2007 biennium. The 2005 Legislature approved $17,688,475 in TSEP grant funds for forty-two projects.

NAME 0F RECIPIENT	**Beaverhead County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 84,886	TSEP Grant
	$ 84,886	Local Funds
TOTAL	$ 169,772	

PROJECT SUMMARY: The 3rd Avenue Bridge has a variety of deficiencies. *The project consists of replacing the existing bridge.*

PROJECT STATUS: In design.

NAME OF RECIPIENT Big Fork County Water and Sewer District

TYPE OF PROJECT	New Wastewater System	
FUNDING	$ 460,000	TSEP Grant
	$ 460,000	SRF Loan
TOTAL	$ 920,000	

PROJECT SUMMARY: Mayport Harbor is located between the Flathead River and the district, and has the following problems: individual septic tank systems, phosphorous breakthrough is potentially occurring in certain locations, the area is subject to high groundwater, poorly treated sewage is potentially degrading state waters, lot sizes are less than the minimum required for onsite sewer, setbacks from surface water are less than the minimum distance required, and the systems are in flood prone areas. *Major elements of the project include: installing approximately 4,500 feet of four-inch PVC service lines; 3,350 feet of eight-inch PVC gravity main; and 1,000 feet of four-inch PVC force main connecting the Mayport Harbor area to the district's wastewater system, and constructing a lift station.*

PROJECT STATUS: Design is complete and construction is anticipated to begin in March 2009.

NAME OF RECIPIENT Big Horn County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 142,500	TSEP Grant
	$ 90,450	Local Funds
	$ 52,050	In-kind
TOTAL	$ 285,000	

PROJECT SUMMARY: The Tullock Creek Bridge has a variety of deficiencies. *The project consisted of replacing the bridge.*

NAME OF RECIPIENT Carbon County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 97,100	TSEP Grant
	$ 112,100	Local Funds
	$ 15,000	TSEP PER Grant
TOTAL	$ 194,200	

PROJECT SUMMARY: The Fox Bridge has a variety of deficiencies. *The project consisted of replacing the bridge.*

NAME OF RECIPIENT Carter Chouteau County Water and Sewer District

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 344,600	RD Loan
	$ 350,000	RD Grant
TOTAL	$1,294,600	

PROJECT SUMMARY: The district's water system has the following deficiencies: the infiltration gallery that serves as the source of supply has been designated as "groundwater under the direct influence of surface water", arsenic level is 33 ug/L, which is over three times the maximum allowed by the Safe Water Drinking Act, manganese level is 0.36 mg/L, which is over seven times the maximum allowed by the Safe Water Drinking Act, cracking of the PVC distribution pipe, with over 50 leaks in the past two years, total loss of water to users over extended periods when repairing leaks, pump house #2 is

constructed on clay material with a poor foundation footprint, access to the pump house can be difficult during the winter due to drifting snow, and the chlorine contact time prior to the first service connection is insufficient to guarantee drinking water safe from waterborne pathogens. *The project consisted of: installing point-of-use devices on each service connection (to remove arsenic), installing sample pump and sample line, chlorine residual monitor, turbidity monitor, flow meter, and an in-line ultraviolet disinfection unit in the infiltration gallery pump house, installing approximately 80 feet of 24-inch pipe prior to the first service connection, installing water meters on all service lines, relocating pump house #2, replacing approximately 4,000 feet of six-inch main line between pump house #2 and pump house #3, and replacing approximately 32,000 feet of three-inch and four-inch main line between pump house #3 and pump house #4.*

NAME OF RECIPIENT	**Cascade, Town of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 100,000	DNRC Grant
	$ 154,000	Local Funds
TOTAL	$1,254,000	

PROJECT SUMMARY: The town's water system has the following deficiencies: over half of the water distribution system is comprised of leaky and undersized steel and cast iron water mains (tests have shown them to flow 10 times less than the recommended ISO fire flow requirements, and 70% are four-inch or smaller and are in violation of the DEQ standards), a computer model of the system indicates negative pressures could be experienced in the system during high water demand periods, which increases the likelihood of contaminates being introduced into the system, 19 fire hydrants are 1913 vintage with 2.5-inch nozzles that are inoperable or leak excessively, and many cannot be connected to the town's fire fighting equipment, storage is inadequate for emergency demand and fire protection, no auxiliary power is available, and the distribution system is experiencing problems with tuberculation on the interior of the pipes, resulting in constriction of flow. *The project consisted of: replacing 19 fire hydrants with six-inch hydrants, installing approximately 4,000 feet of core transmission line to the school, commercial and downtown areas using 10-inch main, constructing a new 273,000 gallon buried concrete storage reservoir, installing new telemetry controls for the wells and water storage reservoir, and installing a portable generator for emergency operation of the existing wells.*

NAME OF RECIPIENT	**Choteau, City of**	
TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 140,000	RD Grant
	$1,160,000	RD Loan
	$ 20,000	Local Funds
TOTAL	$1,920,000	

PROJECT SUMMARY: The city's water system has the following deficiencies: the four water sources are susceptible to contamination, the four water sources combine in the Water Works pump house before distribution, therefore contamination of any one of the sources could result in the potential contamination of the entire water supply, the Water Works wet well is deteriorating, and cannot be repaired until an alternative water supply is established, the system experiences excessive water loss due to leaking distribution lines, access to the water supply storage tanks is relatively unrestricted, resulting in a potential security risk, and vents and improperly constructed access ways to the tanks provide a potential for contamination from outside sources. *The project consisted of constructing a new independent pump house and chlorination treatment system at the Richem pump house, renovating the Water Works pump house and wet well, replacing approximately 10,000 feet of old cast iron mains with eight-inch and 10-inch PVC distribution lines, installing a six-foot chain link fence with three strand barbed wire around perimeter of the storage tanks, and upgrading instrumentation and controls.*

NAME OF RECIPIENT **Conrad, City of**

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$2,942,400	RD Loan
	$ 477,000	STAG Grant
	$ 245,000	WRDA Grant
	$ 28,553	Local Funds
TOTAL	$4,192,953	

PROJECT SUMMARY: The city's wastewater system has the following deficiencies: treatment facility is in excess of its 20-year life expectancy, with some mechanical portions as old as 35 years, frequent and reoccurring effluent permit violations for biochemical oxygen demand (BOD) and total suspended solids (TSS), despite an active flow management program that attempts to minimize spring turnover effects, sludge level accumulation in the primary cell exceeds six feet in depth and has recently created a visible sludge "beach" near the cell inlet, and sludge depth in the two facultative cells exceeds three feet. *Major elements of the project include: construct a partially-mixed aerated lagoon system, install ultraviolet disinfection facilities, and dewater, remove, and land apply the accumulated sludge. Along with the original scope of work the City is also addressing Stream Reclassifications, incorporating grit removal, sludge thickening, and ammonia removal.*

PROJECT STATUS: In design.

NAME OF RECIPIENT **Crow Tribe**

TYPE OF PROJECT	Wastewater System Improvements in Crow Agency	
FUNDING	$ 500,000	TSEP Grant
	$1,248,785	RD Grant/Loan
	$ 357,000	IHS Grant
	$ 100,000	Coal Board Grant
	$ 267,000	EPA Grant
TOTAL	$2,472,785	

PROJECT SUMMARY: The wastewater system in Crow Agency has the following deficiencies: system is not sized to accommodate the design peak flow without surcharging, approximately 5,750 feet of mains are four-inch or six-inch diameter (minimum of eight-inch is required), approximately 17,250 feet of the mains have been installed at less than the required slope, deteriorated mains and manholes as evidenced by cracked pipes, root penetration, sagging lines, offset joints, crumbling manhole barrels, missing steps and settling, master lift stations, which lifts wastewater to the treatment lagoons, has inadequate capacity, and the dry pit side of one of the two lift stations was totally filled with water when recently observed (these would be combined into a single lift station when replaced). *The project consisted of constructing a new sewer interceptor through Crow Agency.*

NAME OF RECIPEINT **Custer Area – Yellowstone County Water and Sewer District**

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 500,000	CDBG Grant
	$ 117,894	SRF Loan
	$ 75,000	Coal Board Grant
	$ 100,000	DNRC Grant
	$ 14,343	TSEP PER Grant
	$ 14,053	Local Funds
TOTAL	$1,307,237	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: undersized, leaking, and deteriorating lift station, lift station lacks flow meter, straining mechanism or grinding mechanism, lagoons are leaking approximately 84% of the wastewater that enters, less than five days

detention time in the lagoons causes untreated wastewater to directly enter the groundwater, there is a major inflow and infiltration problem in the wastewater collection system, and the amount of flow in the wastewater system varies with the water table resulting in untreated wastewater seeping into the ground water from the collection system. *The project consisted of: constructing a new lift station, video inspecting the collection lines and cleaning as needed, replacing clay tile pipe with approximately 4,000 feet of eight-inch PVC pipe, installing approximately 2,650 feet of force main to the lagoons, and reconfiguring the current lagoon cells into two lined facultative lagoons and infiltration/percolation ponds.*

NAME OF RECIPIENT	**Dodson, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 427,500	TSEP Grant
	$ 443,150	CDBG Grant
	$ 100,000	RRGL Grant
	$ 88,000	SRF Loan
	$ 1,220	Local Funds
TOTAL	$1,059,870	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: existing single-cell lagoon does not meet the DEQ requirements for a minimum of three treatment cells, inlet pipe to the lagoon is located too near the discharge, sludge has accumulated to a depth of 1.6 feet in the lagoon, existing treatment pond detention time for current flows is 120 days, resulting in insufficient treatment prior to discharge, over a dozen biochemical oxygen demand (BOD) and total suspended solids violations since 1994, present treatment system will not meet the proposed fecal or ammonia limits proposed for the upcoming 2006 permit, and existing lift station is substandard. *The project consisted of installing a new lift station and replacing the existing lagoon with a two-cell total retention lagoon.*

NAME OF RECIPIENT	**Ennis, Town of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 204,894	TSEP Grant
	$ 100,000	RRGL Grant
	$ 159,031	SRF Loan
TOTAL	$ 463,925	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: no disinfection, discharge is not possible during periods of river gorging in the spring, and sludge volume of 4,000,000 gallons, which has an estimated 17% solids content. *The project consisted of installing an ultraviolet treatment facility, constructing approximately 285 feet of four-inch outfall pipe, and land applying the dried sludge.*

NAME OF RECIPIENT	**Glacier County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$2,575,755	SAFTU Grant
TOTAL	$3,075,755	

PROJECT SUMMARY: The St. Mary's Bridge has a variety of deficiencies. *The project consists of replacing the existing bridge. The new bridge would be for vehicles only and would no longer be used by the St. Mary Canal to support the pipes.*

PROJECT STATUS: In design.

NAME OF RECIPIENT	**Glasgow, City of**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant

	$2,195,000	SRF Loan
	$ 245,000	WRDA Grant
	$ 15,000	RRGL PER Grant
	$ 45,000	Local Funds
TOTAL	$3,000,000	

PROJECT SUMMARY: The city's wastewater system has the following deficiencies: the treatment facility has reached the end of its useful life, the DEQ has issued two violation letters for failure to meet permitting requirements, ammonia discharge permit limits cannot be met in July and August, the aeration system and baffles within the treatment cells are in poor condition, numerous diffusers are inoperable, current treatment facility would not be able to meet future disinfection standards, lift station pumps are over 30 years old and have reached the end of their useful life, and no back-up source of power for the lift station, which has experienced 18 power outages. *Major elements of the project include: upgrade the existing treatment plant to a four-cell advanced aerated lagoon facility, replace the lift station pumps, rehabilitate the lift station's wet well, and install a new back-up power supply at the lift station.*

PROJECT STATUS: In final design.

NAME OF RECIPIENT Havre, City of

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 125,000	MDT Grant
	$1,456,000	SRF Loan
TOTAL	$2,081,000	

PROJECT SUMMARY: The city's water system in the project area has the following deficiencies: water mains are old and at the end of their service life, a six-inch cast iron water main is undersized and incapable of delivering adequate fire flows, and porous, non-metallic gaskets used during the installation of the water mains increase the potential for contamination of the drinking water system from carcinogenic compounds in the soil and/or groundwater. *The project consisted of replacing approximately 3,900 feet of water main with 10-inch ductile iron pipe and installing 20 additional fire hydrants.*

NAME OF RECIPIENT Hill County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 450,750	TSEP Grants
	$ 129,832	Local Funds
	$ 318,016	In-kind
TOTAL	$ 898,598	

PROJECT SUMMARY: The county has three bridges (The Big Sage Bridge, The Lineweaver Bridge and Henry's Bridge) with a variety of deficiencies. *The project consists of replacing all three bridges.*

PROJECT STATUS: Hingham and Lineweaver Bridges are under construction, and the Henry's Bridge is on hold pending an agreement with the tribe.

NAME OF RECIPIENT Hysham, Town of

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 462,359	TSEP Grant
	$ 15,000	Local Funds
	$ 453,799	RD Loan
TOTAL	$ 931,158	

PROJECT SUMMARY: The town's water system has the following deficiencies: a decline in the Yellowstone River water level has reduced the head available to drive water through the sand and gravel and into the infiltration gallery, the edge of the surface water has moved laterally away from the infiltration gallery line causing an increase in the groundwater flow path from the river to the infiltration gallery, clarification and filtration basins are showing severe signs of rust and deterioration, no check valve and foot valve in the pump station results in back flushing of filter media into the low service pump caisson, loss of filter media in the Yellowstone River, control system is antiquated and worn out, and deteriorated and undersized water mains in parts of the distribution system. *Major elements of the project include: extend the infiltration gallery further out into the river, rehabilitate the clarification and filtration basins, install check valves, and restore the supply of filter media, and replace the control system with a new supervisory control and data acquisition system.*

PROJECT STATUS: In construction, anticipated to be completed by the end of 2008.

NAME OF RECIPIENT Laurel, City of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 433,000	SRF Loan
TOTAL	$1,033,000	

PROJECT SUMMARY: The city's wastewater system has the following deficiencies: increasing amounts of infiltration and inflow are impacting the capacity of sewer mains, undersized mains and root intrusion within the collection system, failure or back-up of sewer mains have led to release of raw sewage in basements and homes, the two sewage lift stations are nearing the end of their useful life, during peak flow events the plant is not able to treat to permitted effluent limits, and several areas of the treatment plant have been identified as needing upgrades in the near future to ensure continued permit compliance. *The project consisted of replacing about 6,500 feet of trunk mains with new 24-inch, 36-inch and 48-inch diameter mains.*

NAME OF RECIPIENT Lewis & Clark County

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 288,757	TSEP Grant
	$ 141,191	SRF Loan
	$ 703,269	STAG Grant
	$ 149,721	Local Funds
TOTAL	$1,282,938	

PROJECT SUMMARY: The project area has the following deficiencies: the fairgrounds lift station has served its useful life and requires extensive maintenance, alternative power sources are not available in case of power outages at the fairgrounds lift station, one of two on-site wastewater systems at the AGC Laborer's Training Facility has failed and replacement has not been possible because of high groundwater elevations and the Woodlawn Park Addition has failing septic systems, lack of drainfield replacement areas, and unacceptable nitrate levels in the domestic water supply (groundwater). The project was the first of a two-phase project to connect the areas to the area to the City of Helena's water and wastewater system. *The project consisted of connecting the Fairgrounds/Dunbar area to the City of Helena's wastewater system.*

NAME OF RECIPIENT Libby, City of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,400,000	STAG Grant
	$ 500,000	WRDA Grant
	$ 79,000	SRF Loan

	$ 12,000	Local Funds
TOTAL	$2,591,000	

PROJECT SUMMARY: the Cabinet Heights area has the following problems: drainfield failures and seepage pits instead of drainfields due to small lots. *Major elements of the project include: extend a gravity collection system from the City of Libby to the Cabinet Heights area, by installing approximately 12,400 feet of eight-inch PVC pipe, construct one lift system, and abandon the existing on-site wastewater treatment and disposal system.*

PROJECT STATUS: Under contract, working on start-up conditions. Still trying to get funding package together.

NAME OF RECIPIENT Madison County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 179,911	TSEP Grant
	$ 29,540	Local Funds
	$ 150,371	In-kind
TOTAL	$ 359,822	

PROJECT SUMMARY: The county has three bridges (The Noble Fork Bridge, The Lower North Meadow Creek Bridge, The Carey Lane Bridge, The Upper North meadow Creek Bridge, The Lower South Willow Bridge and The Old Stage Bridge) with a variety of deficiencies. *The project consisted of replacing all six bridges.*

NAME OF RECIPIENT Malta, City of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 685,000	RD Grant
	$3,606,000	RD Loan
TOTAL	$4,791,000	

PROJECT SUMMARY: The city's wastewater system has the following deficiencies: Trafton lift station piping and valves are corroded, deteriorated and/or inoperable, Trafton lift station pumps are corroded and have reached the end of their useful life, Robinson lift station air lift pumps are outdated technology and difficult to maintain, Robinson lift station valves and piping do not have a separate dry well, the Trafton and Robinson lift stations do not have safe access for repair or maintenance, no backup power at the other four lift stations, City has had fifteen discharge permit violations of biochemical oxygen demand (BOD), total suspended solids (TSS), and fecal coliform since May 1998, system will not meet anticipated ammonia limits in the next permit, two-cell configuration limits the operational flexibility of the system and does not meet the DEQ standards of a three-cell lagoon system, significant accumulation of sludge and the sludge does not meet the Environmental Protection Agency (EPA) land application standards, no riprap is present on the majority of the dike banks, resulting in advanced erosion, existing outfall line to the Milk River has repeatedly failed due to collapsing pipe and manholes, and no service meters on the water system that can determine actual usage. *The project consisted of constructing a single partial-mix aerated lagoon, with storage cells, an ultraviolet disinfection system and spray irrigation, linning the lagoons with a synthetic PVC liner, replacing the Robinson lift station, and constructing a new staircase at the Trafton lift station.*

NAME OF RECIPIENT Miles City, City of

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,967,000	SRF Loan
	$ 50,000	Local Funds
TOTAL	$2,517,000	

PROJECT SUMMARY: The city's water system in the project area has the following deficiencies: lack of redundancy, low pressures (below 35 psi) at peak demand times, due to the limited capacity (number, size and location) of existing transmission and distribution lines to and within this area, inadequate fire flows, poor water quality (stagnant water; low chlorine residual; taste, odor and appearance problems; and higher than desirable disinfection byproducts), inability to properly flush the lines to maintain water quality, corroded lines harbor bacteria, potential cross connections, periodic water outages due to repairs, and heavy turberculation in the small, unlined, cast iron four-inch lines, which tend to allow biofilms to exist. *The project consisted of extending the 10-inch Bender Park water main into the project area, connecting the 14-inch main on North Haynes Avenue and the 10-inch Bender Park main with a new 12-inch main (approximately 5,800 feet), replacing approximately 19,500 feet of four-inch and six-inch cast iron distribution lines with eight-inch lines, and installing new valves, 35 fire hydrants, and service line connections between the main and the property line.*

NAME OF RECIPIENT Mineral County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 80,090	TSEP Grant
	$ 61,946	Local Funds
	$ 18,144	In-kind
TOTAL	$ 160,180	

PROJECT SUMMARY: The Cedar Creek Bridge has a variety of deficiencies. *The project consisted of replacing the bridge.*

NAME OF RECIPIENT Missoula County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 275,172	TSEP Grant
	$ 275,172	County Local
TOTAL	$ 550,334	

PROJECT SUMMARY: The county's two bridges (La Valle Creek Bridge and Finley Creek Bridge) have a variety of deficiencies. *The project consists of replacing both bridges.*

PROJECT STATUS: In design.

NAME OF RECIPIENT Powell County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 158,348	TSEP Grant
	$ 91,379	County Local
	$ 66,969	County In-kind
TOTAL	$ 316,696	

PROJECT SUMMARY: The county's three bridges (The West River Road Bridge, The Freeze Out Lane Bridge, and The Cutoff Road Bridge) have a variety of deficiencies: *The project consisted of replacing all three bridges*

NAME OF RECIPIENT Ranch County Water District

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant.
	$ 10,000	County Funds
	$ 120,500	CDBG Grant
	$ 9,000	Ranch
	$ 100,000	RRGL Grant
	$ 650,000	RD Loan
TOTAL	$1,389,500	

PROJECT SUMMARY: The district's water system has the following deficiencies: wells do not meet design flows with the largest well out of service, substandard well construction, inadequate chlorine contact time and chlorination system housing, deterioration of wooden portion of storage tank, inadequate water pressure, distribution lines are not sized for fire flows, distribution lines are not looped, and no water meters. *The project consisted of: drilling a new well, constructing a 150,000 gallon storage tank, constructing a new pump house/chlorination facility, and constructing a new distribution network consisting of about 7,000 feet of eight-inch pipe, 12 fire hydrants, and 30 service meters.*

NAME OF RECIPIENT	**Richland County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 453,841	TSEP Grant
	$ 122,479	Local Funds
	$ 331,362	In-kind
TOTAL	$ 907,682	

PROJECT SUMMARY: The county has four bridges (The 4th Street Bridge, The Miller Bridge, The Fox Creek Road Bridge and The Vaira Bridge) with the following deficiencies: *The project consists of replacing all four bridges.*

PROJECT STATUS: Fox Creek Road Bridge is complete. The 4th Street, Miller, and Vaira bridges are in design.

NAME OF RECIPIENT	**Rudyard County Water and Sewer District**	
TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 524,503	TSEP Grant
	$ 344,400	CDBG Grant
	$ 15,000	Local Funds
TOTAL	$ 883,903	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: undersized six-inch clay tile mains are clogged with roots, many of the mains are installed at slopes below the minimum, cracked and broken pipe, 25 to 30 backups into private residences per year over the last five years, lift station is outdated and lacks an alarm system, backup power or pumping ability, force main does not discharge to an inlet control structure, no perimeter fencing or warning signs exist around the lagoon site, and minor erosion of embankments. *The project consisted of replacing approximately 6,725 feet of existing six-inch clay tile lines with eight-inch PVC lines, installing approximately 23 new manholes, replacing the existing lift station with a new submersible package station, purchasing a portable pump for emergency use, and installing a new four-inch ductile iron force main between the lift station and treatment cells #1 and #2.*

NAME OF RECIPIENT	**Seeley Lake Sewer District**	
TYPE OF PROJECT	New Wastewater System	
FUNDING	$ 500,000	TSEP Grant-District
	$ 750,000	TSEP Grant-County
	$ 100,000	RRGL Grant
	$ 305,000	CDBG Grant
	$1,750,000	STAG Grant
	$1,443,000	WRDA Grant
	$ 262,000	RD Loan
TOTAL	$5,110,000	

PROJECT SUMMARY: The lack of a centralized wastewater system in Seeley Lake has resulted in the following problems: elevated nitrate levels in the groundwater in the areas of high density, increased algae concentrations and turbidity in Seeley Lake, elevated nitrates, phosphorus and fecal coliforms in the groundwater downgradient of the community, and increased nutrient loads facilitate eutrophication of the lake and increases water quality degradation. *Major elements of the project include: construct a new*

centralized wastewater collection and treatment system that would serve that portion of the district with the highest density. The proposed treatment system is an aerated lagoon with a storage cell and discharge using spray irrigation in the summer months in the adjacent forest.

PROJECT STATUS: Contract signed, but no other start-up conditions have been met; expected have grant terminated due to lack of funds. Re-applied to TSEP for funding in 2008, seeking new funding.

NAME OF RECIPIENT Sheridan, Town of

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 500,000	CDBG Grant
	$ 485,000	STAG Grant
	$ 245,000	WRDA Grant
	$ 423,000	SRF Loan
	$ 7,500	Local Funds
TOTAL	$2,260,500	

PROJECT SUMMARY: The town's water system has the following deficiencies: inadequate water supply, water mains are old and undersized, and are not capable of providing minimum recommended fire flows, some of the hydrants are inoperable, leak excessively, or are undersized, distribution lines leak, with 44 repairs over the past two years, concrete storage tank roof is deteriorated, concrete storage tank leaks, coating on steel storage tank is worn and deteriorated, and well field is rated a "high hazard" by the DEQ for agricultural contaminants and hazardous materials. *The project consisted of installing approximately 4,600 feet of eight-inch PVC and 8,000 feet of six-inch PVC mains, installing approximately 19 new fire hydrants, draining, inspecting, cleaning, grouting as necessary, and re-coating surfaces of both storage tanks, replacing roof structure of the concrete tank, installing service meters on nine high volume users, and drilling a test well to determine the feasibility of developing another water source.*

NAME OF RECIPIENT Spring Meadows County Water District

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 487,500	TSEP Grant
	$ 100,000	RRGL Grant
	$ 309,000	SRF Loan
	$ 117,149	Local Funds
TOTAL	$1,013,649	

PROJECT SUMMARY: The district's water system has the following deficiencies: peak demand cannot be met with the two wells, there is no storage to provide fire protection or adequate water quantity to maintain water pressures during the irrigation season, well #2 pumps an excessive amount of sand into the distribution system, preventing the use of water meters, stagnant conditions exist and sand accumulates at two dead-end mains, very low pressures are regularly experienced during the irrigation season and the potential for negative pressures is high, and some individuals use booster pumps, which are illegal and create a high potential for backflow. *The project consisted of installing approximately 65 service meters for all users, constructing a 150,000 gallon concrete storage tank and a booster pump station, replacing well #2 with a new well, adding four fire hydrants, eliminating two dead ends, and constructing an administrative building.*

NAME OF RECIPIENT St. Ignatius, Town of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$1,513,000	RD Loan
	$1,682,595	RD Grant
	$ 500,000	CDBG Grant
	$ 100,000	RRGL Grant

	$ 716,800	STAG Grant
TOTAL	$5,012,395	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: eleven BOD and TSS violations since 1998, the lagoon leaks over four times the state design standard resulting in degradation to groundwater and nearby surface water and wells, the single-cell facultative lagoon does not meet current state design standards requiring a minimum of two equally sized primary treatment cells and one secondary cell, the single-cell operation encourages short-circuiting across the cell resulting in poor treatment efficiency, the existing system does not meet the design standard for detention time for facultative lagoons resulting in reduced treatment efficiency, BOD loading to the existing facultative ponds exceeds the state design standard resulting in poor treatment efficiency and possibly odor problems, the system fails to meet the discharge limit for fecal coliform colonies in the discharged effluent, the discharge is resulting in ammonia toxicity in the receiving water, and there is inflow from manholes and roof drains at the school during runoff or storm events. *The project consisted of constructing an aerated lagoon system, constructing a storage lagoon inside the existing facultative lagoon footprint, installing a liner in each of the lagoon cells, installing an ultraviolet light disinfection system, constructing about 15,000 feet of eight-inch gravity main to transmit treated effluent to the irrigation site, installing three effluent irrigation pivots, and installing sealed manhole covers.*

NAME OF RECIPIENT Stillwater County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 399,853	TSEP Grant
	$ 285,000	Local Funds
	$ 114,853	In-kind
TOTAL	$ 799,706	

PROJECT SUMMARY: The county's seven bridges (The Orser Bridge, The Fireman's Point Bridge, The Lover's Lane Bridge, The Jackstone Bridge, The Centennial Bridge, The Svenson Bridge and The Weppler Bridge) *have a variety of deficiencies: The project consists of replacing all seven bridges; however, Jackstone culvert was removed from project, and the TSEP grant will be reduced by $18,070.*

PROJECT STATUS: Construction on Orser, Fireman's Point and Centennial Bridges is complete. County crews intend to install purchased culverts for Svenson Road, Lover's Lane, & Weppler by end of the year.

NAME OF RECIPIENT Sweet Grass County

TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 144,989	TSEP Grant
	$ 65,736	Local Funds
	$ 79,253	In-kind
TOTAL	$ 289,978	

PROJECT SUMMARY: The county's three bridges (The Yellowstone Trail Bridges: YT391 and YT536, and The Wheeler Creek Road Bridge) have a variety of deficiencies. *The project consists of replacing all three bridges.*

PROJECT STATUS: County crews will be installing culvert purchased for Yellowstone Trail Bridge, and the other bridges have been replaced.

NAME OF RECIPIENT Upper-Lower River Road Water and Sewer District

TYPE OF PROJECT	Water/Wastewater System	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 332,000	City CDBG Grant
	$ 450,000	County CDBG Grant
	$ 543,160	SRF Loan

TOTAL	$1,925,160	

PROJECT SUMMARY: The lack of a centralized water and wastewater system in the project area is creating the following problems: on-site wastewater systems in the area are causing high levels of nitrate and ammonia in the drinking water wells, and area wells are naturally high in iron, sodium, sulfate and total dissolved solids. This is the second phase of a multi-phased project. *The project consisted of: installing approximately 9,300 feet of eight-inch PVC sewer main and 4,950 feet of four-inch and six-inch service line, installing approximately 8,400 feet of eight-inch PVC water main and 5,380 feet of ¾-inch service line, installing approximately 115 service meters, and installing 21 fire hydrants.*

NAME OF RECIPIENT Valier, Town of

TYPE OF PROJECT	Wastewater System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 600,000	SRF Loan
TOTAL	$1,200,000	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: aging and deteriorating collection system, continual plugging problems caused by roots and mineral deposits, joints are not intact and are susceptible to infiltration or exfiltration, and raw sewage can potentially leak into the groundwater. *The project consisted of: replacing and rehabilitating approximately 6,000 feet of clay piping by sliplining as much as possible or replacing clay tile with PVC, replacing and rehabilitating 17 manholes.*

NAME OF RECIPIENT Whitefish, City of

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 457,500	TSEP Grant
	$ 100,000	RRGL Grant
	$1,000,000	SRF Loan
	$ 616,300	Local Funds
TOTAL	$2,173,800	

PROJECT SUMMARY: The city's water system has the following deficiencies: two old and undersized water mains that lie under the railroad yard, one of which is unlined, that serve the south portion of the city, causes severe access restrictions for maintenance, frequent leakage problems with Texas Avenue pipe, diesel contamination of soils and groundwater in the vicinity of the Texas Avenue water main could potentially result in contamination of the city's drinking water, and if the Texas Avenue main were to fail, water modeling indicates that negative or very low pressures would occur in the southern portion of the system during fire flow events. This could cause contamination of the water system from backflow. *The project consisted of replacing the old 12-inch Texas Avenue water main with approximately 650 feet of 18-inch main.*

NAME OF RECIPIENT Woods Bay Homesites Lake County Water and Sewer District

TYPE OF PROJECT	Water System Improvements	
FUNDING	$ 500,000	TSEP Grant
	$ 443,100	RD Loan
	$ 225,000	RD Grant
	$ 100,000	RRGL Grant
TOTAL	$1,268,100	

PROJECT SUMMARY: The district's water system has the following deficiencies: booster station and well pumphouse do not have backup pumps in violation of the DEQ 1 standards, well pumphouse's access, fire protection, and above ground construction do not meet the DEQ 1 standards, undersized and leaking distribution lines, which result in low water supply and pressure, dead-end distribution mains, inadequate storage facility capacity for fire flows, portions of the system operate at less than the DEQ

minimum working pressure of 35 psi, lack of storage facility security, lack of service meters, and lack of fire hydrants. *Major elements of the project include: install approximately 2,400 feet of six-inch PVC and 10,500 feet of eight-inch PVC water main, install approximately 99 service connections and meters, install approximately 14 fire hydrants, upgrade pumphouses, and connect to the adjacent water district's (Sheaver's Creek) water system at two points with eight-inch PVC main, which would allow access to the 140,000 gallon storage tank that is to be constructed in the adjacent district.*

PROJECT STATUS: In design.

NAME OF RECIPIENT	**Yellowstone County**	
TYPE OF PROJECT	Bridge System Improvements	
FUNDING	$ 187,800	TSEP Grant
	$ 187,800	County Local
TOTAL	$ 375,600	

PROJECT SUMMARY: The Five-Mile Creek Bridge has a variety of deficiencies. *The project consisted of replacing the bridge.*

Projects Approved by the 2007 Legislature

Fifty-seven applications requesting $33,891,715 in TSEP funds were submitted for the 2009 biennium. The 2007 Legislature approved 56 projects totaling $32,631,715 in TSEP funds.

NAME OF RECIPIENT	**Town of Bainville**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 715,000	TSEP Grant
	$ 450,000	CDBG Grant
	$ 15,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 89,696	SRF Loan
	$ 80,000	Local Funds
TOTAL	$1,434,696	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: the lagoon leaks a considerable amount of wastewater to groundwater – about 85% of the wastewater entering the lagoons is lost through leakage, the lagoon dikes are severely eroded and in danger of failing, the clay tile collection pipes leak excessively, and there is excessive infiltration and inflow into the system. *The proposed project would clean and videotape all the sewer lines, replace about 2,400 feet of sewer lines, construct a three-cell facultative lagoon and provide a liner for all cells, dispose of the sludge, and provide for the final wastewater disposal through irrigation.*

PROJECT STATUS: Under construction, with completion anticipated in 2009.

NAME OF RECIPIENT	**Town of Big Sandy**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 450,000	CDBG Grant
	$ 662,000	RD Grant
	$ 468,000	RD Loan
	$ 5,000	Local Funds
TOTAL	$2,335,000	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: infiltration of ground water into the system, resulting in extra pumping and treatments; the lift station is aging and

unsafe; much of the collection system piping has inadequate slopes that do not meet current standards leading to accumulations of sludge, grit and dirt; there have been documented events of sewage backing up into basements; inadequate number of manholes that makes maintenance difficult; portions of the collection system piping are constructed of inadequate materials that do not meet current standards and are likely contributing to the infiltration problem; lift station backup generator must be turned on manually; several areas in Town are lacking access to sewer service; no provisions for addressing future nutrient permit limits such as nitrogen and phosphorous; the large storage cell does not contain a synthetic liner and may be leaking and contaminating groundwater; possible high ground water at the treatment site, which could complicate draining of cells for maintenance; pontoon aerators tend to freeze up during the winter; chlorine gas used for disinfection poses a safety risk to the operators; no provisions for measuring flow rate or for disinfecting effluent from the existing large storage cell; no provisions for influent flow measurement; the facility will not likely be able to meet total suspended solids (TSS) requirements in its new permit; and the facility has had four biological oxygen demand (BOD) permit violations since 1999. *The proposed project would replace the lift station, replace the generator, replace or install approximately 17,000 feet of six, eight, 10, and 12-inch new sewer main, and replace or install approximately 48 manholes.*

PROJECT STATUS: Project in process of being bid.

NAME OF RECIPIENT	**Bigfork County Water & Sewer District**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$2,025,000	SRF Loan
	$ 396,965	SRF Loan
TOTAL	$3,171,965	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: the lift station components have exceeded their design life at three of the lift stations; infiltration of sewer lines; some of the lift stations and collection system interceptors have limited capacity for growth; the control system at the treatment plant, the headworks facility equipment and many mechanical components including blowers, pumps and motors are approaching the end of their typical 20-year design life; the cleaning mechanism motor for the bar screen at the treatment plant has burned out and the bar screen spacing is too large; corrosion is appearing on framing members of the headworks building at the treatment plant and the roof mounted exhaust fan is not operational; the lift station at the treatment plant has inadequate capacity to meet future wastewater flows; the existing trickling filters were not designed for nitrification, which raises concerns regarding compliance with a new discharge permit with strict ammonia, total nitrogen and phosphorus limits; and there are capacity and expansion concerns with the treatment plant. *The proposed project would replace the headworks facility, upgrade the treatment plant lift station, upgrade treatment plant controls, and upgrade miscellaneous equipment in order to keep the existing treatment plant operational including pumps, blowers, motors and sludge collection mechanisms.*

PROJECT STATUS: Under construction.

NAME OF RECIPIENT	**Black Eagle Cascade County Water & Sewer District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 365,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 270,000	Local Funds
TOTAL	$ 735,000	

PROJECT SUMMARY: The district's water distribution system has the following deficiencies: frequent water main breaks; failing mains due to age and pipe material; below standard valves, bury depth and looping; undersized mains; and galvanized steel and possibly lead service lines. *The proposed project would replace approximately 225 feet of six-inch main, replace approximately 5,047 feet of eight-inch main, replace approximately 50 service lines, and install 15 fire hydrants.*

PROJECT STATUS: Under construction, with completion anticipated by the end of 2008.

NAME OF RECIPIENT	**Blaine County**	
PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 617,017	TSEP Grant
	$ 371,568	Local Funds
	$ 392,354	Local Funds
TOTAL	$1,235,321	

PROJECT SUMMARY: The county's three bridges have a variety of deficiencies. *The project consists of replacing all three existing bridges.*

PROJECT STATUS: Construction on two bridges is complete; construction on the Battle Creek Bridge to begin January 2009.

NAME OF RECIPIENT	**Brady County Water & Sewer District**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 322,070	CDBG Grant
	$ 115,000	RRGL Grant
	$1,106,936	RD Grant
	$ 460,000	RD Loan
TOTAL	$2,754,006	

PROJECT SUMMARY: The district's wastewater system has the following deficiencies: the lagoon was installed without a liner and is leaking; the discharge structure is leaking untreated effluent to land that is open to the public and is in violation of the DEQ permit; the influent pipe to cell #1 is very near the discharge structure causing short and inadequate treatment prior to discharge; sludge has never been removed from the lagoons, thereby reducing detention time; numerous aspects of the lagoon do not meet DEQ standards including lack of piping for flexibility, lack of controlled discharge structure, lack of low measurement device, and lack of adequate detention time; plugs have caused raw sewage to back up into residences; leaking joints in collection system allow the discharge of raw sewage to the groundwater; and leaking joints in collection system also allow for excessive infiltration during heavy precipitation events. *The proposed project would remove the existing sludge from the lagoons, reconfigure the existing lagoon system into two primary ponds and one secondary/storage pond, install spray irrigation for disposal of the treated effluent, and replace the entire collection system with new pipe.*

PROJECT STATUS: Under contract. Completing remaining start-up conditions.

NAME OF RECIPIENT	**Butte-Silver Bow County**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$3,693,323	Natural Resource Damage Program Grant
	$ 481,108	Local Funds
TOTAL	$4,924,431	

PROJECT SUMMARY: The Butte-Silver Bow water system has the following deficiencies: water mains that have reached the end of their useful life; water mains that are undersized including two-inch diameter and smaller mains which cannot convey the volume of water needed for the daily needs of the community or for fire flows; and leaking water mains. *The proposed project would replace approximately 34,000 feet of water main.*

PROJECT STATUS: Under contract. Completing remaining start-up conditions.

NAME OF RECIPIENT **Carter Chouteau County Water & Sewer District**

PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 750,000	STAG Grant
TOTAL	$1,500,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: leaks have had to be repaired at an increasing rate in areas in Carter and Floweree along with areas in the north portion of the system; each time a leak repair is made, the entire distribution system has been shut down for several days to facilitate the repairs and pipeline replacement; leakage results in unnecessarily high energy and operation and maintenance cost; and the continual repair of the leaks in the system increases the possibility of contamination being introduced into the system. *The proposed project would replace an additional 95,000 feet of pipe ranging from one to three inches in diameter, and install new booster pump control valves to address pressure surges within the distribution lines.*

PROJECT STATUS: Re-applied for a TSEP grant in 2008 as a back-up, but continuing to try to meet start-up conditions for this grant by the June 30, 2009 deadline.

NAME OF RECIPIENT	**Town of Circle**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 450,000	CDBG Grant
	$ 404,400	RD Loan
TOTAL	$1,604,000	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: the existing wastewater treatment system is marginally functional and has eroded dikes, inoperable transfer piping, broken inlet piping, excessive leakage and no measurement devise on the discharge line or means to determine a change in depth; and the new discharge permit will probably contain stricter limits on fecal coliform discharges that will require disinfection and monitoring requirements for ammonia; abilities that the existing facility does not currently have. *The proposed project would purchase land for the containment facility and reconfigure the existing lagoon system into a two-cell total containment (non-dischargeing) facility.*

PROJECT STATUS: In design, with construction anticipated in 2009.

NAME OF RECIPEINT	**City of Columbia Falls**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,000,000	STAG Grant
	$1,106,000	SRF Loan
	$ 954,000	Local Funds
TOTAL	$3,910,000	

PROJECT SUMMARY: The city's wastewater system has the following deficiencies: key components of the treatment plant have reached the end of their useful life; bar screen is at the end of the useful life; the grit removal system is at the end of its useful life and ventilation is not adequate; the aeration basin is at the end of its useful life and has experienced leaks; changing regulations will require year-round disinfection with no chlorine residual; inadequate storage capacity for biosolids; and lack of a backup power source. *The proposed project would install a new bar screen, install a new grit removal system and improve ventilation, construct a new biological treatment removal process, replace the existing chlorine system with an ultraviolet disinfection system, expand the biosolids storage and develop alternate means of disposal, and a standby generator.*

PROJECT STATUS: Contract has been signed, but no other start-up conditions have been met.

NAME OF PROJECT	**Crow Tribe for Crow Agency**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 769,646	RD Loan
	$ 715,000	RD Grant
	$ 1,100,000	ICDBG Grant
	$ 450,000	CDBG Grant (Big Horn Co.)
	$ 245,000	WRDA Grant
	$ 292,000	Seabees (earthwork)
	$ 477,000	STAG Grant
TOTAL	$4,798,646	

PROJECT SUMMARY: Crow Agency's wastewater system has the following deficiencies: the existing lagoon does not provide adequate detention time to be a facultative lagoon, nor does it provide adequate aeration (mixing) to be an aerated lagoon; the existing wastewater treatment system is undersized for the current population and not capable of meeting current or future needs of the community; and the existing embankments need repair and additional rip rap. *The proposed project would construct a new aerated lagoon at an 80-acre site north of the existing lagoon.*

PROJECT STATUS: The tribe is still trying to obtain a complete funding package in order to complete start-up conditions. The basic earthwork required to form the lagoons has been completed by the Seabees.

NAME OF PROJECT	**Custer County**	
PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 63,750	TSEP Grant
	$ 38,119	Local Funds
	$ 25,631	Local In-Kind
TOTAL	$ 127,500	

PROJECT SUMMARY: The Trail Creek Bridge deficiencies include: rotting piles, scour damage below the plank abutments, soils washed out below the wing walls, limited sight distance, and rotation of the pile cap. *The project consisted of replacing the bridge with a culvert.*

NAME OF PROJECT	**City of Cut Bank**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 550,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 250,000	WRDA Grant
	$ 210,000	Local Funds
TOTAL	$1,110,000	

PROJECT SUMMARY: The city's water system has the following deficiencies: Cut Bank Creek experiences rapid changes in turbidity and color and very low stream flows; during low flows of the Creek the city is forced to place restrictions on water use; existing off stream storage may not have sufficient capacity to meet demands during low flow events of long duration and there is a serious risk of running out of water; the treatment plant has no redundant backwash pump, no redundant flocculator, and the sedimentation basin is undersized; the distribution system has pipes that are undersized and corroded; much of the system has pipes that are undersized and corroded; much of the system has deficient fire flow capabilities; leakage in the distribution system and the frequency of repairs are very high; heavily corroded pipelines encourage the growth of biofilms, which harbor bacteria and makes it difficult to maintain a good chlorine residual; heavily corroded pipelines also inhibit flushing velocities; and low pressure could result in backflow and associated contamination. *The proposed project would expand*

existing off stream raw water storage by adding a new pond adjacent to the existing pond to double the pond volume and add a backwash pump.

PROJECT STATUS: Project scope modified to the installation of approximately 6,500 feet of 10-inch main, installation of approximately 700 feet of eight-inch main, and replacement of approximately 20 fire hydrants. In design.

NAME OF PROJECT	**Town of Darby**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 878,761	RD Grant
	$1,871,465	RD Loan
	$ 93,000	Local Funds
TOTAL	$3,693,226	

PROJECT SUMMARY: The town's water system has the following deficiencies: the distribution system is leaking almost 70% of the water being pumped; the storage tank is grossly undersized; fire protection is inadequate; and dead-end lines are allowing water to become stagnant. The project has been split into two phases for purposes of funding by RD, with the TSEP funds to be used in the second phase. *The proposed project would construct a new 900,000-gallon water storage tank (phase I), install approximately 20,000 feet of water main (phase II), drill a new well (phase I), and install chlorination disinfection system at the wells (phase I).*

PROJECT STATUS: Under contract. Working on completing start-up conditions. Phase I is in design.

NAME OF PROJECT	**Dayton/Lake County Water and Sewer District**	
PROJECT TYPE	New Wastewater System	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$2,066,100	WRDA Grant
	$1,879,500	STAG Grant
	$ 533,400	RD Loan
	$ 5,000	District In-Kind
TOTAL	$5,334,000	

PROJECT SUMMARY: The lack of centralized wastewater system in Dayton has resulted in the following problems; local flooding, which often occurs over existing septic drain fields, causes sewage to mix with flood waters and spread throughout the community, before draining into the Lake; subsurface septic tanks are often not working properly due to site conditions; groundwater used for drinking water supply has been contaminated, or will become contaminated in the future; and the potential exists for contaminating Flathead Lake. *The proposed project would construct a collection system consisting of about 15,000 feet of pipe and two lift stations and construct a facultative lagoon system with disinfection and disposal by spray irrigation.*

PROJECT STATUS: Not under contract. Not expected to meet start up conditions due to funding issues.

NAME OF PROJECT	**Town of Ekalaka**	
PROJECT TYPE	Water and Wastewater System Improvements	
FUNDING	$ 706,369	TSEP Grant
	$ 450,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 156,369	RD or SRF Loan
TOTAL	$1,412,738	

PROJECT SUMMARY: The town's water and wastewater systems have the following deficiencies: the control panel of the main lift station has malfunctioned and caused sewage backups into some homes in the area; the single-pump lift station has had electrical and float system problems and has caused sewage to back up and flow into Russell Creek; the sewer along the Main Street corridor was installed at less than the minimum grade, requires an additional manhole, and the sewer pipe walls are peeling; and the water main along Main Street corridor and out to the reservoirs has had a number of water breaks due to aging cast iron lines. *The proposed project would replace approximately 3,650 feet of water main, replace approximately 1,800 feet of sewer line, replace the single pump lift station, and update the controls at the main lift station.*

PROJECT STATUS: In construction, anticipated to be completed by the end 2008.

NAME OF PROJECT	**Elk Meadows Ranchettes County Water District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 410,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 475,000	SRF Loan
TOTAL	$ 985,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: an inadequate supply of water for domestic and fire protection needs; an inability to provide adequate water during high demand periods and no redundancy provided by the wells; water shortages can occur if one well is out during periods of high demand; adequate water rights to meet existing and anticipated maximum demands are lacking; the water supply is corrosive and has violated regulatory standards for copper; part of the distribution system is undersized; there are no meters on service connections; modeling indicates that the undersized lines cannot provide adequate flow volume for fire protection; the upper pressure zone water storage tank lacks adequate volume for fire suppression design storage needs; the primary storage tank has been drained during high demand periods; and the existing system does not have provisions for auxiliary power. *The proposed project would drill one and, if necessary, two new wells, install second booster pump in upper pump station, install aeration equipment for corrosion control, loop mains and replace a portion of the existing undersized mains, install service meters, expand the middle storage tank, and upgrade the foundation for the upper storage tank.*

PROJECT STATUS: Under construction, anticipated to be completed in 2008 or 2009.

NAME OF PROJECT	**Town of Fairfield**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$1,000,000	STAG Grant
	$ 641,200	SRF Loan
TOTAL	$2,391,200	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: sewer backups occur on a regular basis; infiltration and inflow into the collection system and outfall piping create hydraulic overloading of the sewer mains and treatment facility; partially treated wastewater is apparently entering the shallow aquifer; seepage is occurring into the lagoon; the existing treatment system does not satisfy current DEQ design standards for detention time, leakage limits and biological oxygen demand (BOD) removal; the treatment facility has reported a number of permit violations over the previous 10 years; it does not appear that the existing system can adequately treat BOD or total suspended solids (TSS) to meet the impending DEQ discharge permit; and effluent disinfection may be required in the next DEQ permit. *The proposed project would re-construct the existing single-cell facultative lagoon with a three-cell aerated lagoon and ultraviolet disinfection, rehabilitate the remaining 66% of the outfall piping using cured-in-place pipe (CIPP) techniques, and perform televised inspections of the collection system and rehabilitate or replace sewer mains, if funds are a available.*

PROJECT STATUS: Contract signed, but has not met other stat-up conditions. Requested a reduce scope of work, which is being evaluated.

NAME OF PROJECT	**Fergus County**	
PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 238,362	TSEP Grant
	$ 115,362	Local Funds
	$ 123,000	Local In-Kind
TOTAL	$ 476,724	

PROJECT SUMMARY: The Cottonwood Creek Bridge deficiencies include: inadequate bridge rail and end treatments; extreme wear, decay and section loss of the timber deck planks; corrosion and pitting of steel stringers and truss members; decayed, bulging, and loose timber backwall planks the east abutment; limited sight distance at both approaches; and scour damage around the columns of the intermediate pier. *The proposed project would replace the existing bridge with a new precast, prestressed, bulb-tee superstructure on a steel pile foundation.*

PROJECT STATUS: Under construction.

NAME OF PROJECT	**City of Fort Benton**	
PROJECT TYPE	Storm Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 778,000	SRF Loan
	$ 36,679	Local Funds
TOTAL	$1,564,679	

PROJECT SUMMARY: The city's storm water system has the following deficiencies: drainage grates at several intersections are too low causing potential safety and nuisance problems; surface runoff is ponding in the streets resulting in failure of adjacent street sections; there are 10 locations with 16 inlets where storm water is diverted directly into the sanitary sewer system, which is a violation of the DEQ standards; the added flow into the sanitary sewer system reduces the capacity of the existing lagoon and increases lift station pumping costs; the storm water inflow has overloaded the sanitary sewer system in the past and caused flooding of basements; the storm water inflow reduces the capacity of the sanitary sewer collection and treatment facilities and may prevent future development; flooding conditions exist at surface drainage ditches during spring runoff; and inadequate drainage facilities can result in standing water or icy streets, which creates the possibility of drowning, breeding grounds for mosquitoes, or slips and falls. *The proposed project would install new storm drain piping in the 10 areas that currently have storm drain inlets connected to the sanitary sewer system, install new storm drains on 21st Street to eliminate the open ditch currently being utilized, and correct other associated runoff problems in this area.*

PROJECT STATUS: Under construction, anticipated to be completed by the end of 2008.

NAME OF PROJECT	**Goodan-Keil County Water District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 532,250	TSEP Grants
	$ 100,000	RRGL Grants
	$ 38,150	Local Funds
	$ 475,000	SRF Loan
TOTAL	$1,145,400	

PROJECT SUMMARY: The district's water system has the following deficiencies: the existing 40,000-gallon concrete storage tank is grossly undersized for operational and fire needs; the district's existing booster station is unreliable and inefficient due to its dependency on a rotary phase converter; pipe failures and repairs are increasing in frequency and the ability to isolate individual wells is limited by the district's well field piping gallery; the original pipe installation from the well field to the booster station is

undersized, of poor quality, the routing introduces significant frictional losses, and a series of ruptures have occurred which resulted in out-of-water situations; the casing on one of the district's supply wells protrudes only six inches above surrounding grade – less than the 18 inches required by DEQ standards; the spacing between fire hydrants on the existing distribution system makes it difficult for the local fire department to get water quickly to all residences within the district; and the individual water meters on the system are suspected of becoming increasingly inaccurate and are read manually, which introduces error and consumes significant time during reading and billing. *The proposed project would replace the existing 40,000-gallon tank with a new 150,000-gallon concrete storage tank, install approximately 2,000 feet of three-phase conductor wire and convert the existing booster station to three-phase power, replace well field piping and install proper valves and fittings, replace approximately 2,000 feet of existing supply piping from the well field to the booster station with properly sized pipe utilizing an existing carrier pipe beneath Interstate 90 to reduce frictional losses, elevate the casing for well #3 to at least 18 inches above surrounding grade, install seven new hydrants and isolation valves throughout the distribution system, and install new meters with remote-read capabilities and automated billing software.*

PROJECT STATUS: Under construction, anticipated to be completed by the end of 2008.

NAME OF PROJECT	**City of Hamilton**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 450,000	CDBG Grant (?)
	$1,000,000	STAG Grant (?)
	$1,742,000	SRF Loan
	$ 100,000	RRGL Grant
	$ 625,000	Local Funds
TOTAL	$3,182,000	

PROJECT SUMMARY: the city's wastewater system has the following deficiencies: the mechanical bar screen at the treatment plant is worn and in disrepair; there is insufficient thickening capacity at the plant; the bisolids dewatering facilities have reached their capacity; electrical service entrance equipment and standby generator are worn and undersized; use of potable city water for treatment processed is a waste of resources and energy; and wastewater pumping stations are not incorporated into the radio telemetry alarm system. *The proposed project would install an new mechanical bar screen, install a second dissolved air flotation thickener unit, install additional vacuum biosolids dewatering, replace the existing engine generator and electrical service entrance equipment, install a non-potable water pumping station, and install radio based telemetry stations at each wastewater pumping station.*

PROJECT STATUS: Construction expected to being early 2009; still seeking grants to replace loan dollars already committed.

NAME OF PROJECT	**Gallatin County on Behalf of Hebgen Lake Estates**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 850,000	STAG Grant
	$1,069,000	SRF Loan
TOTAL	$2,769,000	

PROJECT SUMMARY: the Hebgen Lake Estates wastewater system has the following deficiencies: the lift station pumps are old and the electrical controls are outdated; the lagoon liner is leaking at a rate of 2.4 million gallons per year; nitrate levels in monitoring well #3 consistently exceed the water quality standard; the blowers and aeration piping have failed; the aeration building is in poor condition; the single-cell lagoon does not meet current design standards; and the perimeter fence is in disrepair. *The proposed project would construct a new lift station, raise 20 collection system manholes to grade and replace lids, and construct a new wastewater treatment facility consisting of a facultative pond, a storage pond and disposal by crop irrigation.*

PROJECT STATUS: No start-up conditions met.

NAME OF PROJECT	**Jefferson County**	
PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 295,800	TSEP Grant
	$ 15,000	Local Funds
	$ 280,800	Local Funds
TOTAL	$ 591,600	

PROJECT SUMMARY: The Lump Gulch Bridge, Sloan's Lane Bridge, High Valley Road Bridge, Forcella Road Bridge, Parrot Castle Road Bridge, and KG Ranch Bridge have a variety of deficiencies. *The project consists of replacing all six existing bridges.*

PROJECT STATUS: Under construction.

NAMEOF PROJECT	**Town of Jordan**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 700,000	TSEP Grant
	$ 450,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 142,953	SRF Loan
	$ 15,000	Local Funds
TOTAL	$1,407,953	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: the wastewater facility will be unable to comply with permitted discharge limits from DEQ by their April 1,2009 deadline; the lagoon embankments have extensive erosion from wind and ice formations; the control structures for routing wastewater between the lagoon cells are either significantly deteriorated or altogether inoperable and the original construction materials for the control structure are not compliant with current standards; an overflow in the wet well of the lift station discharges raw sewage to Big Dry Creek during power outages in direct violation of the Montana Water Quality Act; the wet well/dry well design of the lift station presents a health and safety hazard to Town personnel by creating a confined space in the dry well; the lift station itself is aged and nearing the end of its useful life; large sections of the collection system were originally constructed with slopes and pipe diameters that are less than the minimums required by current standards; and four damaged areas of the collection system have been documented. *The proposed project would reconfigure and reconstruct the existing lagoon system into a three-cell facultative lagoon that is properly sized to enhance treatment including the continued discharge of treated wastewater to Big Dry Creek, construct a new lift station with submersible pumps and an aboveground control building, and replace four damaged sections of the collection system.*

PROJECT STATUS: In construction, anticipated to be completed by the end 2008.

NAME OF PROJECT	**Judith Basin County**	
PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 190,215	TSEP Grant
	$ 91,232	Local Funds
	$ 100,983	Local In-Kind
TOTAL	$ 384,430	

PROJECT SUMMARY: The Judith River Bridge deficiencies include: a large crack at the truss support bearing one of the abutments; severe erosion of a pier at the east end; worn and bent truss members; and inadequate sight lines. *The project consisted of replacing the bridge.*

NAME OF PROJECT	**City of Laurel**
PROJECT TYPE	Wastewater System Improvements

FUNDING	$ 750,000	TSEP Grant
	$3,882,500	SRF Loan
TOTAL	$4,632,500	

PROJECT SUMMARY: The city's wastewater system has the following deficiencies: the Main/Elm Street lift station is about 40 years old and in need of some updating and repair; the Village Sub lift station is about 20 years old and in need of some updating and repair; the treatment plant grit removal and headworks are aging, have some safety issues, and better technology is currently available; primary clarifier piping is inadequate during hydraulic surges and causes some operational problems; plant water supply system is inadequate for plant use and building fire protection; the secondary rotating biological contactor treatment system does not have adequate redundancy to allow for year round maintenance and may not have adequate treatment capacity to meet future flows; and the disinfection system at the treatment plant is not adequate to meet anticipated future discharge permit requirements. *The proposed project would replace the Main/Elm Street lift station, rehabilitate the Village Sub lift station, rehabilitate the grit removal and headworks facilities, improve the hydraulics of the primary clarifiers, improve the plant water systems to allow for process water and fire protection, and expand the existing rotating biological contactor system.*

PROJECT STATUS: In construction, anticipated to be completed by the end 2008.

NAME OF PROJECT	**Lewis and Clark County for the Woodlawn Park Addition**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 596,420	TSEP Grant
	$ 254,097	CDBG Grant
	$ 100,000	RRGL Grant
	$ 355,372	SRF Loan
	$ 369,467	Local Funds
TOTAL	$1,675,356	

PROJECT SUMMARY: The Lewis and Clark County Fairgrounds/Dunbar area water systems have the following deficiencies: the water supply does not provide adequate fire flows; wells sampled at the fairgrounds and the Woodlawn Park Addition show elevated nitrate levels of up to 13 mg/L; a convenience store with a public water supply well has had repeated high nitrate levels and is required by DEQ to use a filtration system to lower levels; and fire protection for both the Woodlawn are and the AGC facility is not adequate because of the lack of hydrants. *The project consisted of constructing approximately 2,700 feet of water line and valves to connect the existing water system on the eastside of the fairgrounds to the Northgate meadows development water main, constructing approximately 4,300 feet of water main with valves and hydrants to service the fairgrounds campground area, north barn area and rodeo grounds, constructing approximately 100 feet of water main and valving for Woodlawn Park's portion of the Green Meadow Loop connection, constructing approximately 6,900 feet of water mains with valves and hydrants within the Woodlawn Park Addition and connecting those mains to the city mains, and constructing a water service line, valve and hydrant to the AGC facility and connecting to the existing city water main.*

NAME OF PROJECT	**Loma County Water and Sewer District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,200,000	STAG Grant
	$ 144,700	SRF Loan
TOTAL	$2,194,700	

PROJECT SUMMARY: The district's water system has the following deficiencies: the small diameter, glued-joint PVC piping in the system is failing at the rate of 50 to 100 leaks per year; the storage tank is over 25 years old and has never been recoated; the district does not have water meters; lack of a pre-sedimentation basin at the treatment plant to reduce turbidity levels in the raw water; the clarifier and filter

and the filter at the treatment plant are in poor condition, the plant does not provide adequate backwashing velocities to the filter, and there are numerous deficiencies with plant valve, piping and control components; and the plant's finished water marginally meets the requirements of the stage one disinfection byproducts rule, the plant will need to comply with the stage two microbial/disinfection byproducts rule by 2014 and will eventually need to comply with the long term two enhanced surface water treatment rule. *The proposed project would install about 240,000 feet of plowed-in high density polyethylene piping, re-coat the storage tank, and install service connection meters.*

PROJECT STATUS: No start-up conditions have been met. Re-applied for a TSEP grant in 2008, since it does not anticipate meeting start-up conditions by the June 30, 2009 deadline.

NAME OF PROJECT	**Madison County**	
PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 370,100	TSEP Grant
	$ 353,314	Local Funds
	$ 16,786	Local In-Kind
TOTAL	$ 740,200	

PROJECT SUMMARY: The Coy Brown Bridge, the Cherry Creek Bridge, the South Boulder Bridge, and the Bear Creek Bridge have a variety of deficiencies. *The project consists of replacing all four existing bridges.*

PROJECT STATUS: The Coy Brown Bridge, Cherry Creek Bridge, and South Boulder Bridge under construction. The Bear Creek Bridge is in design.

NAME OF PROJECT	**Town of Manhattan**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 600,000	TSEP Grant
	$ 115,000	RRGL Grant
	$ 395,000	SRF Loan
	$ 117,000	Local Funds
TOTAL	$1,227,000	

PROJECT SUMMARY: The town's water system has the following deficiencies: undersized distribution lines, no storage facilities, potential for backflow, insufficient fire flow, insufficient security at the chlorination house, no automated backip power at three of the wells, and no water meters at individual services. *The proposed project would install telemetry and backup power at each source, fence the chlorination house, and install approximately 700 service meters with backflow prevention devices for all users.*

PROJECT STATUS: Under contract. Working on completion of remaining start-up conditions.

NAME OF PROJECT	**Mineral County/Saltese Water and Sewer District**	
PROJECT TYPE	New Wastewater System	
FUNDING	$ 390,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 424,000	CDBG Grant
	$ 45,800	SRF Loan
TOTAL	$ 959,800	

PROJECT SUMMARY: The lack of a centralized wastewater system in Saltese has resulted in the following deficiencies: it is difficult or impossible to find sufficient space to locate replacement drainfields and maintain the proper separation between property boundaries and individual drinking wells; groundwater is very shallow and could be susceptible to contamination; the existing septic tanks and

drainfields, in some cases, are submerged in groundwater or at the water table elevation; many of the older septic tanks are suspected to be leaking; and the county will not allow development utilizing on-site septic systems on vacant lots less than 0.5 acre. *The proposed project would construct a standard gravity collection system consisting of about 5,300 feet of eight-inch PVC sewer main and service lines, and manholes, bore under Interstate 90 with one gravity sewer pipe, construct a raw sewage lift station, install a common septic tank with discharge of effluent to groundwater via a dosed drainfield at the treatment and disposal site, and abandon all existing septic tanks.*

PROJECT STATUS: No start-up conditions have been met.

NAME OF PROJECT	**Town of Neihart**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 223,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 100,000	CDBG Grant
	$ 25,000	Local Funds
TOTAL	$ 448,000	

PROJECT SUMMARY: The town's water system has the following deficiencies: the O'Brien Creek main, which consists of 113 year-old cast iron pipe with caulked lead joints and is buried only two to four feet deep, has had frequent breaks; the O'Brien Creek main is fully exposed where it crosses Belt Creek and is susceptible to freezing and flood damage; and the treatment plant has often been in violation of turbidity limits because of sudden changes in raw water quality. *The proposed project would replace 4,200 feet of the O'Brien Creek main and modify the controls and chemical feet at the treatment plant by purchasing and installing an ion sensor and paced chemical metering pump.*

PROJECT STATUS: No start-up have been conditions met.

NAMEOF PROJECT	**North Valley County Water and Sewer District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,609,000	RD Loan
TOTAL	$2,459,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: frequent water main breaks – 22 breaks have occurred since 1993; both small and large water breaks are difficult to find because the as-built drawings of the system disappeared upon base closure; several hydrant and valve repairs – 18 repairs since 1993; several dozen service line breaks since 1992; isolation difficulty on the mains and services because one curb stop serves up to four housing units and not all units in a building are occupied year-round; increased flows to the wastewater treatment pond due to basement flooding; water meters area difficult to access; and no supervisory control and data acquisition system, commonly known as SCADA, available to monitor the elevation in the reservoirs. *The proposed project would replace mains, hydrants and valves in two of the more highly populated areas of St. Marie.*

PROJECT STATUS: Under construction, with completion anticipated in 2009.

NAME OF PROJECT	**Panoramic Heights and Mountain River Heights County Water District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 191,500	TSEP Grant
	$ 100,000	RRGL Grant
	$ 120,000	SRF Loan
TOTAL	$ 411,500	

PROJECT SUMMARY: The district's water system has the following deficiencies: the water supply does not satisfy peak hour demand and does not have storage capacity; the inadequate supply results in water rationing during the summer months and low pressures during peak flow conditions; the system does not comply with the DEQ design standards to meet maximum day demand with the largest pump out of service; pressures drop below 20 psi during peak low demands creating a possible backflow situation; the distribution system includes dead-end and small diameter lines that do not allow adequate flushing and cleaning of the system; the small diameter lines do not meet DEQ design standards for minimum size of pipe or for pressure rating; there are no individual water meters, which leads to increased usage during irrigation periods; and the distribution system leaks. *The project consisted of drilling a new well and installing a pump, controls and piping to the control building, replacing the existing water main with about 2,200 feet of six-inch PVC pipe, installing three flushing hydrants, and installing water meters on each service.*

NAME OF PROJECT	**Town of Pinesdale**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 450,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 251,918	RD Grant
	$1,082,620	RD Loan
TOTAL	$2,634,538	

PROJECT SUMMARY: The town's water system has the following deficiencies: inadequate fire protection; inadequate water storage; lack of fire hydrants; undersized mains to supply water to fire hydrants; lack of water meters leading to high usage; dead-end water mains; and the distribution system experiences pressure extremes. *The proposed project would remove the existing southwest tank, install a new tank adjacent to the existing water treatment plant, install pressure-reducing valves throughout the distribution system, install a water line from the new tank to the location of the existing southwest tank, install meters, and add three new hydrants to the system.*

PROJECT STATUS: In design.

NAME OF PROJECT	**City of Polson**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,072,750	SRF Loan
TOTAL	$1,922,750	

PROJECT SUMMARY: The city's water system has the following deficiencies: an insufficient water supply to meet future growth; deteriorated and undersized mains in the downtown area; insufficient storage in the upper and middle pressure zones; low pressures have occurred near existing storage tanks where adequate pressure head is not available; two of the existing water storage tanks have severe concrete deterioration including spalling concrete, exposure of rebar, and exhibit the potential for complete failure; insufficient water supply for fire protection in the are around the high school; and insufficient pressures, quantities and hydraulic restrictions that inhibit the ability to supply fire protection to businesses. *The proposed project would construct a new 500,000-gallon concrete tank to replace the existing deteriorated tanks, upgrade existing mains and construct a booster station within the Mission View area, construct a main connecting a new hydrant to an existing 12-inch main to immediately supplement the available fire flows of existing hydrants in the area of the high school.*

PROJECT STATUS: All but one start up condition met; the city is not in compliance with audit requirements, but it is being worked on.

NAME OF PROJECT	**Powell County**	
PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 263,074	TSEP Grant
	$ 162,698	Local Funds
	$ 18,903	Local In-Kind
	$ 81,473	Private Funds
TOTAL	$ 526,148	

PROJECT SUMMARY: The Old Stage Road Bridge, the West River Road Bridge, the Yellowstone Trail Bridge (over Racetrack Creek), and the Yellowstone Trail Bridge (over the Branch Irrigation Ditch) have a variety of deficiencies. *The project consists of replacing all four existing bridges.*

PROJECT STATUS: Under construction.

NAME OF PROJECT	**Power-Teton County Water and Sewer District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 604,286	TSEP Grant
	$ 100,000	RRGL Grant
	$ 245,000	WRDA Grant
TOTAL	$ 949,286	

PROJECT SUMMARY: the district's water system has the following deficiencies: dead end distribution lines that cannot be adequately flushed and cleaned; large areas of the distribution system have to be shut down during repair operations; deteriorated pavement due to construction of the first two phases of the project; undersized mains that are at the end of their service life and do not provide adequate fire flows; and elevated total organic carbon in raw water with taste and odor problems and the potential for the formation of trihalomethanes and haloacetic acids. *The proposed project would install approximately 2,500 feet of six-inch water main and approximately seven new fire hydrants to complete system looping, install approximately 5,300 feet of pipe in the Hill Avenue Area and eliminate all dead end lines along Central Avenue and 1st Street, install fencing and the re-sedimentation basin, rehabilitate pavement from earlier distribution improvements, install approximately 9,200 feet of transmission main, and add a granular activated carbon filter.*

PROJECT STATUS: In design.

NAME OF PROJECT	**RAE Subdivision County Water and Sewer District No. 313**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 450,000	CDBG Grant
	$ 100,000	RRGL Grant
	$ 140,301	SRF Grant
	$ 167,750	Local Funds
TOTAL	$1,608,051	

PROJECT SUMMARY: The district's water system has the following deficiencies: lack of water storage; lack of centralized control system for the individual wells; inability to provide flows sufficient for fire protection; the distribution system within a portion of the system is undersized and leaks; and insufficient supply to meet peak hour demand when the largest well is out of service. *The proposed project would construct a new 380,000-gallon water storage tank, add a supervisory control and data acquisition system, install a new eight-inch water main throughout the undersized portion of the system, and install new water lines from the two main wells to the storage tank.*

PROJECT STATUS: Contract signed, but no other start-up conditions have been met.

NAME OF PROJECT **City of Red Lodge**

PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$4,304,715	RD Loan
	$ 337,500	STAG Grant
	$ 92,000	Local Funds
TOTAL	$5,584,215	

PROJECT SUMMARY: The city's water system has the following deficiencies: undersized and aged distribution lines; insufficient storage; potential water shortage during peak flow or fire flow conditions; insufficient number of hydrants; significant leakage in the distribution system and in the transmission lines; and the potential for contamination because a loss of system feed pressure at the plant could create negative pressures in the transmission lines. *The proposed project would replace about 9,100 feet of undersized mains, install a 300,000-gallon concrete storage tank at the water treatment plant, install nine new fire hydrants and upgrade four hydrants, and replace about 9,800 feet of transmission line.*

PROJECT STATUS: Under construction.

NAME OF PROJECT	**Seeley Lake-Missoula County Water District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 240,000	WRDA Grant
	$ 3,000	Local
	$2,721,000	SRF Loan
TOTAL	$3,814,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: the current peak water demands exceed the capacity of the existing water distribution system to maintain the minimum system pressures; available fire flows are inadequate through out the system as a result of undersized transmission main from the treatment facility to the main part of the community; the system storage is inadequate to meet the minimum fire requirements; and the system experiences excessive levels of disinfection by-products. *The proposed project would construct a new 500,000-gallon water storage tank, construct a new high-service pump station to deliver water to the new tank, replace the 12,000-foot water transmission line between the treatment facility to the main part of the community, install about 3,000 feet of distribution mains, install three additional hydrants, and modify the disinfection process by installing a chloramine system to reduce the levels of disinfection by-products.*

PROJECT STATUS: Bids are being reviewed, construction anticipated to begin in 2009.

NAME OF PROJECT	**City of Shelby**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 650,000	SRF Loan
TOTAL	$1,500,000	

PROJECT SUMMARY: The city's water system has the following deficiencies: original water lines are deteriorating, resulting in leaks and major breaks; undersized and dead-end distribution lines; a well field is in the floodplain of the Marias River; and shallow wells that are susceptible to contamination. *The proposed project would replace approximately 2,900 feet of aged and undersized water main with larger pipe in the 4th Avenue North connector, replace approximately 3,500 feet of aged and undersized water main with larger pipe in the core area of town, install approximately 3,000 feet of new water main to loop dead-end lines, and construct a 100-foot radius impervious surface around wells and seal casings.*

PROJECT STATUS: Under construction.

NAME OF PROJECT	**Town of Sheridan**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 560,000	RD Grant
	$1,140,000	RD Loan
TOTAL	$2,550,000	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: the wastewater discharge exceeds the permitted biochemical oxygen demand (BOD) concentrations; solids are forming in the discharge channel; wastewater leaks through the north embankment of the lagoon; wastewater appears to leak through the pond bottom in excess of DEQ standards; the lagoon is severely biologically and hydraulically overloaded; the outlet weir structure is deteriorated resulting in inaccurate flow measurements; the existing lagoon is severely undersized for the town's expansion; the existing lagoon property lacks room for replacement or expansion; and the collection system experiences a significant increase in groundwater infiltration during the summer months, which exacerbates the treatment overloading problem. *The proposed project would rehabilitate about 7,000 feet of sewer main by relining the pipe and acquire additional land and construct a new three-cell, aerated lagoon.*

PROJECT STATUS: Under contract. Town had to hire new engineering firm. Working on completing start-up conditions.

NAME OF PROJECT	**Stillwater County**	
PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 407,500	TSEP Grant
	$ 407,500	Local Funds
TOTAL	$ 815,000	

PROJECT SUMMARY: The Red Bridge and the Phelps Bridge have a variety of deficiencies. *The project consists of replacing both existing bridges.*

PROJECT STATUS: Under construction.

NAME OF PROJECT	**Sunny Meadows – Missoula County Water and Sewer District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 325,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 64,500	Local Funds
	$ 178,000	SRF Loan
TOTAL	$ 667,500	

PROJECT SUMMARY: The district's water system has the following deficiencies: wells do not provide enough capacity and the district runs out of water in the summer; storage quantity is insufficient for operational and fire flow demand; booster station is substandard resulting in the potential for backflow contamination; a portion of the storage tank is not useable due to the booster station piping configuration; joints at top of concrete walls of tank may be allowing contamination into tank; a portion of the water meters (22 out of 53) are old and not compatible with newer meters; inadequate fire flows in the distribution system; miscellaneous pump, valve and alarm problems; and the combination of storage and booster deficiencies increases the likelihood of backflow contamination. *The proposed project would construct new 125,000-gallon storage tank, install new booster station, replace approximately 22 water meters, install new pumps in water wells, install new water system control and alarms, and replace miscellaneous valve house components.*

PROJECT STATUS: Under construction, nearing completion.

NAME OF PROJECT	**Town of Superior**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 600,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 297,532	SRF Loan
	$ 238,500	Local Funds
TOTAL	$1,236,032	

PROJECT SUMMARY: The town's water system has the following deficiencies: widespread use of old and undersized water mains, not capable of carrying adequate flows for fire protection and limited service for domestic needs; a portion of the town has not fire protection; inadequate storage for fighting large fires; and unaccounted water losses in the system with much of the leakage suspected to originate from the old mains and services. *The proposed project would replace approximately 6,000 feet of older undersized mains in five locations throughout the community and install new hydrants, valves and other appurtenances.*

PROJECT STATUS: In design.

NAME OF PROJECT	**Sweet Grass County**	
PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 141,193	TSEP Grant
	$ 109,425	Local Funds
	$ 42,068	Local In-Kind
TOTAL	$ 302,986	

PROJECT SUMMARY: The Dry Creek Bridge, the Glaston Lake Road Bridge, the Otter Creek Bridge, the Stephens Hill Bridge, the Tony Creek Bridge, and the Wheeler Creek Bridge have a variety of deficiencies. *The project consists of replacing all six existing bridges.*

PROJECT STATUS: Under construction.

NAME OF PROJECT	**City of Thompson Falls**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 363,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 137,250	SRF Loan
	$ 135,000	Local Funds
TOTAL	$ 735,250	

PROJECT SUMMARY: The city's water system has the following deficiencies: leaky, undersized water mains in portions of the city; inadequate fire protection and low pressures during fire events; potential for backflow events and cross connections; and dead-end water mains. *The project consisted of: installing approximately 2,800 feet of water mains to replace undersized mains and loop zones in the northwest portion of the city, installing approximately 2,000 feet of water mains to replace undersized mains in the northeast portion of the city, installing new service lines to the property lines and water service meter pits in conjunction with main line replacements, installing 11 new fire hydrants, and upgrading the disinfection system.*

NAME OF PROJECT	**City of Three Forks**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$1,350,000	STAG Grant
	$1,338,738	SRF Loan
TOTAL	$3,538,738	

PROJECT SUMMARY: The city's wastewater system has the following deficiencies: the treatment facility does not meet minimum detention times required by the DEQ standards; the storage cell leaks about 15 times the current DEQ standard; marginally treated wastewater is mot likely reaching the groundwater, which may impact the swimming/fishing ponds that are located only 500 feet down gradient of the lagoons; the effluent discharge lift station at the treatment facility, which was designed to pump the treated water to the Madison River located one mile away, is no longer operational; the level control structure at the treatment facility is no longer operational; disinfection will be required to meet the fecal coliform limit in the next discharge permit; the lagoon discharge outfall at the river is poorly configured and results in odors; the collection system experiences excessive flow due to infiltration and inflow; and pumps in the main lift station are nearing the end of their useful life. *The proposed project was supposed to construct a three-cell aerated lagoon system and a two-cell constructed wetland with continuous discharge to the Madison River, install an ultraviolet disinfection system, install new pumps at the effluent discharge station and reconfigure the discharge outfall, and replace pumps in the main lift station. However, the city declined the grant.*

NAME OF PROJECT	**Tri-County Water District**	
PROJECT TYPE	Water System Improvements	
FUNDING	$ 313,500	TSEP Grant
	$ 100,000	RRGL Grant
	$ 213,500	Local Funds
TOTAL	$ 627,000	

PROJECT SUMMARY: The district's water system has the following deficiencies: they system does not meet DEQ standards for groundwater systems, which requires a minimum of two water sources be available to provide redundancy in case of the loss of a source; the system does not meet DEQ standards that require that the total developed groundwater source capacity shall be equal to or exceed the design maximum day demand with the largest producing well out of service; water levels in the well drop to just a few feet above the collector laterals during drought periods and in the early spring; the existing system is undersized for peak demands and operating pressures do not meet minimum DEQ required pressures for all portions of the distribution system; and portions of the system run out of water completely during peak demand periods. *The proposed project would construct an additional infiltration gallery, wet well and pump house to provide additional supply capacity and redundant water supply, replace approximately 20,000 feet of undersized distribution system piping, and install a new booster station to provide sufficient pressures at a high point in the system.*

PROJECT STATUS: Construction anticipated Spring 2009.

NAME OF PROJECT	**Town of Twin Bridges**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$ 450,000	CDBG Grant
	$2,013,750	RD Grant
	$ 671,250	RD Loan
	$ 70,000	Local Funds
TOTAL	$4,055,000	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: marginally treated wastewater is being discharged to surface waters because of inadequate detention time at existing flows; disinfection is not presently provided, bit is anticipated to be required with any discharging facility in future permit requirements; the existing discharge does not meet the water quality standards for ammonia; the town will exceed the non-degradation limits with any more growth or improved treatment; and about two blocks of collection main have inadequate slopes that result in standing water in the main. *The proposed project would add a lined storage lagoon to the existing facultative lagoon, install a spray irrigation*

system, and replace approximately 1,200 feet of sewer main, four manholes, two sewer cleanouts on Ninth Avenue and add auto-dialers to the satellite lift stations.

PROJECT STATUS: Under contract. Working on completing start-up conditions.

NAME OF PROJECT	**City of Whitefish**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 100,000	RRGL Grant
	$2,211,000	SRF Loan
	$ 687,000	Local Funds
TOTAL	$3,748,000	

PROJECT SUMMARY: The city's wastewater system has the following deficiencies: an inefficient and dangerous pretreatment process consisting of a manually-cleaned bar screen in a confined space; the inability to bypass the main lift station for necessary wetwell cleaning and maintenance; lack of redundancy in the phosphorous removal process; and various deficiencies including the main lift station capacity, the condition of the existing flocculating clariflier and the effluent diffuser, biosolids disposal, and eroded dikes. *The proposed project would construct a new building adjacent to the main lift station that will house an automated rotary screen pretreatment process, install a new basin downstream of the new screening system that will be plumbed for use in bypassing the main lift station to allow for inspection, cleaning and maintenance of the wetwell, and construct another flocculating clarifier.*

PROJECT STATUS: Under construction.

NAME OF PROJECT	**Town of Whitehall**	
PROJECT TYPE	Wastewater System Improvements	
FUNDING	$ 750,000	TSEP Grant
	$ 450,000	CDBG Grant
	$ 820,500	STAG Grant
	$1,161,600	SRF Loan
	$ 100,000	RRGL Grant
	$ 180,000	Local Funds
TOTAL	$3,462,100	

PROJECT SUMMARY: The town's wastewater system has the following deficiencies: the existing facultative lagoon system is severely undersized and does not meet DEQ standards for discharging facultative lagoons; the lagoons leak approximately 10 to 12 times the DEQ standard resulting in a discharge of inadequately treated wastewater into the groundwater aquifer; the existing discharge does not meet existing water quality standards for ammonia, resulting in ammonia toxicity in the receiving water at low flow conditions; the existing discharge cannot meet the anticipated total maximum daily load (TMDL) allocation for Big Pipestone Creek; four storm water inlets connected to the sanitary sewer collection system have been identified resulting in inflow sources to the sewer system; the wastewater treatment system is under capacity for the existing flows, and therefore, cannot accommodate new residential development; excess sludge has accumulated in the lagoons, which reduces the treatment capacity of the lagoons and results in discharge of inadequately treated wastewater; and old clay tile mains and a transmission main are deteriorated allowing groundwater to enter the system. *The proposed project would replace the existing treatment system with a facultative lagoon, storage lagoon, and slow rate land application system, install liners in the new lagoons, install storm sewer improvements to move the four storm water inlets from the gravity sewer collection system to the storm sewer collection system, rehabilitate four sections of collection main, and video inspect and clean approximately 15,000 feet of the original clay tile main system and renovate the mains through a combination of lining and spot repairs.*

PROJECT STATUS: Contract is signed, but no other start-up conditions have met.

NAME OF PROJECT **Yellowstone County**

PROJECT TYPE	Bridge System Improvements	
FUNDING	$ 97,079	TSEP Grant
	$ 97,079	Local Funds
TOTAL	$ 194,158	

PROJECT SUMMARY: The 11th Street Bridge deficiencies include: abutment caps are rotting, asphalt surfacing is deteriorating, guardrails are substandard, sight lines are inadequate, and mandatory City provisions to provide safe passage for children are not being met. *The project consisted of replacing the bridge.*